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SUPERIOR QUALITY and SERVICE
FOR **71** YEARS!

**WHOLESALE
BULLETIN
NO. 1**

MARCH 15, 1947

**OFFERING A LARGE ASSORTMENT
OF
GENERAL NURSERY STOCK**

Order Now

PHONES 384—385



Mount Arbor Nurseries
• SHENANDOAH IOWA •

EW Welch PRESIDENT

One of America's Foremost Nurseries

Terms and Conditions of Sale

TERMS—1% Discount for cash if paid on or before 10th of month following date of invoice, and is due NET 30 days thereafter. Interest charged on past due accounts..

These terms are offered to those with established credit; otherwise cash, security, or satisfactory references. C. O. D. orders must be accompanied by one-fourth cash.

PRICES named in this list are based upon present market conditions and are subject to change without notice. These are Wholesale Prices and apply upon the following quantities.:

FRUIT TREES, SHADE TREES, SHRUBS, ROSES, VINES, PERENNIALS (INCLUDING PEONIES AND LILIES):

300 or more at 1,000 rate (where published)

30 to 300 at 100 rate

Under 30 at 10 rate

All grades and varieties in any one class allowed to make total. For example: All Fruit Trees are considered one class, all shrubs one class, etc.

SMALL FRUITS, HEDGING, PRIVET, AND ALL SEEDLINGS:

300 of same variety and grade at 1,000 rate.

Under 300 of same variety and grade at 100 rate

EVERGREENS, B & B

30 trees (any assortment) at 100 rate

5 trees (any assortment) at 10 rate

FALL AND SPRING BULBS

300 or more bulbs (not less than 50 of any one variety) at 1,000 rate

Under 300 bulbs at 100 rate

Note:—Classifications as given above are understood to be as listed under general headings in price list. (Broken lots of less than 10 of any one variety and grade will be billed at 20% above 10 rate.)

BROKEN LOTS—The Wholesale Prices in this list apply for wholesale quantities. Please order in such multiples as to avoid breaking bundles.

ALL PRICES ARE NET, BOXING AND BALING EXTRA; NO CHARGE FOR PACKING BULK CARS.

SHIPPING—Please give shipping instructions whether by freight or express and route. If no instructions are given we will forward to the best of our judgment, without assuming responsibility. All goods travel at the purchaser's risk and expense.

TRUCK SERVICE—We are able to offer truck service within a radius of 300 to 500 miles from Shenandoah. Charges average about the same as railroad rates with delivery at your door. If interested write for further information.

CAUTION—We accept all orders subject to crop conditions and on condition that same shall be void should injury befall our stock from hail, fire, frost, error in count or other causes beyond our control. All orders are accepted without liability for non-performance if labor shortages or delay in transportation should prevent us from making delivery.

GUARANTEE OF GENUINENESS—If any nursery stock proves untrue to description or variety name under which it is sold, we hold ourselves in readiness, on proper proof, to replace such nursery stock that may prove untrue to description or name, or refund the original amount paid. We shall in no case be liable for any sum greater than the amount originally received for said nursery stock.

Claims for any cause must be made promptly on receipt of stock. We will not entertain claims after goods have been once accepted, or when report is not made within Ten Days after arrival of stock. We express or imply no warranty as to the productiveness or life of the nursery stock we sell and will not be in any way responsible for the results secured in transplanting.

SPECIAL NOTICE—Correspondents are requested to use their printed business letterheads. We do not quote prices to retail buyers. We use every effort to limit the distribution of trade prices to those whom we know to be entitled to receive them.

MARCH 15, 1947

MOUNT ARBOR NURSERIES

E. S. WELCH, Pres.

H. S. WELCH, Vice-Pres.

R. M. GWYNN, Secy-Treas.

HEIGHT AND CALIPER—Height given of fruit trees is approximate and represents average heights of most varieties. Some slow growing kinds may fall short of height specified as it is intended that THE CALIPER SHALL GOVERN.

All Fruit Trees are tied 11-16 and 9-16, 10 per bundle; 7-16 and 5-16, 20 per bundle.

APPLE and CRAB

Per 10 Per 100 Per 1000

First Class, 11-16 to $\frac{7}{8}$ inch, 4½ feet and up	\$6.50	\$60.00	\$550.00		
“ “ 9-16 to 11-16, 4 feet and up	5.50	50.00	450.00		
“ “ 7-16 to 9-16, 3 feet and up	4.00	35.00	320.00		
“ “ 5-16 to 7-16, 2 feet and up	2.50	22.00	200.00		
“ “ $\frac{7}{8}$ inch and up, 5 feet and up	7.50	70.00	—		
	11-16	9-16	7-16	5-16	7-8
Anoka	700	300	—	—	560
Banana	60	250	350	250	—
Beacon	400	400	380	240	80
Ben Davis	190	150	90	30	20
Black Ben Davis	550	100	300	250	—
Cox Orange				280	—
Delicious Dark Red	1000	650	900	1800	—
Delicious Yellow	3950	1000	1000	1100	960
Duchess	150	390	—	120	—
Duchess Red	100	500	—	600	—
Early Strawberry	60	10	20	20	—
Grimes Golden	1100	1400	400	580	300
Haralson	780	1400	300	800	—
Hyslop Crab	400	190	100	90	—
Joan	900	500	400	150	150
Jonathan	300	1980	2000	1500	—
Jonathan Dark Red	1500	5400	4200	1650	—
Maiden Blush	740	150	130	30	15
Malinda	190	160	130	35	15
Minjon, Minn. No. 700	800	220	150	150	50
Northern Spy	300	—	20	180	—
Northern Spy Red		800	40	300	100
N. W. Greening	880	400	130	80	—
Red Siberian Crab	500	260	—	50	80
Stayman Red	250	—	—	200	—
Staymans Winesap	300	—	—	30	—
Tolman Sweet	800	200	—	150	—
Turley	250	—	100	40	90
Virginia Crab	2000	600	140	20	—
Wealthy	—	200	400	1240	—
Whitney Crab	250	200	500	700	200
Winesap	300	250	—	700	—
Winesap Crimson	250	—	980	780	50
Yellow Transparent	3100	1500	490	2400	—
York Imperial	60	30	—	70	—

APPLE and CRAB

Per 10 Per 100 Per 1000

First Class, 11-16 to $\frac{7}{8}$ -inch, 4½ feet and up	\$6.50	\$60.00	\$—		
“ “ 9-16 to 11-16, 4 feet and up	5.50	50.00	—		
“ “ 7-16 to 9-16, 3 feet and up	4.00	35.00	—		
“ “ 5-16 to 7-16, 2 feet and up	2.90	25.00	220.00		
“ “ $\frac{7}{8}$ inch and up, 5 feet and up	7.50	70.00	—		
	11-16	9-16	7-16	5-16	7-8
Baldwin	—	—	90	150	—
Cortland	—	—	500	1400	100
Dolgo Crab	100	200	150	150	—
Early Harvest	80	—	—	50	90
Fameuse	200	300	450	240	200
Fireside, Minn. No. 993	100	100	200	170	—
Gravenstein Red	10	30	60	240	—
Hawkeye Greening	25	60	20	—	240
Hibernal	—	—	—	240	—
Kendall	—	—	10	40	—

APPLE AND CRAB—Continued.

	11-16	9-16	7-16	5-16	7-8
Lodi	80	100	140	30	—
Macoun	—	—	50	80	—
McIntosh	—	—	100	110	60
McIntosh Black Mickey	150	—	—	200	—
McIntosh Early	—	—	120	80	40
Milton	—	—	70	10	—
Minnesota No. 714	160	—	50	30	—
Minnesota No. 790	60	—	—	—	—
Pattens Greening	240	100	30	—	—
Prairie Spy, Minn. No. 1007	140	500	200	70	65
Ramsdell Sweet	15	—	—	—	—
Red Astrachan	150	—	—	30	—
Red June	350	400	—	200	30
Rhoda	240	240	60	—	—
R. I. Greening	—	—	—	270	—
Rome Beauty Red	100	60	100	500	—
Secor	200	150	—	120	—
Sharon	30	—	50	—	—
Willow Twig Red	100	50	50	—	—

APPLE—WHIPS

	Per 10	Per 100	Per 1000		
	5-6	4-5	3-4	2-3	18-24
One Year, 5 to 6 feet, Whips	\$5.00	\$45.00	\$400.00	—	—
" 4 to 5 feet "	4.50	40.00	350.00	—	—
" 3 to 4 feet "	3.50	30.00	270.00	—	—
" 2 to 3 feet "	2.50	22.00	200.00	—	—
" 18 to 24 inches "	1.90	16.00	—	—	—
Anoka	—	20	90	—	—
Banana	10	35	50	—	—
Cortland	—	—	190	400	—
Delicious Yellow	1100	1400	—	600	110
Dolgo Crab	—	—	160	—	—
Duchess	100	260	—	—	—
Duchess Red	90	290	180	70	—
Fameuse	—	50	—	—	—
Grimes Golden	—	600	1000	650	40
Hibernal	40	130	190	140	—
Jonathan Dark Red	50	1900	700	90	90
McIntosh	45	—	—	300	—
McIntosh Early	—	70	—	—	—
Northern Spy	45	50	—	—	—
Northern Spy Red	—	115	—	—	—
Rome Beauty Red	—	—	200	—	80
Virginia Crab	60	35	60	40	—
Wealthy	20	120	250	—	—
Whitney Crab	—	25	50	400	—
Winesap	—	60	170	50	60
Yellow Transparent	530	1980	700	980	340

APPLE—Dwarf

On Paradise

	Per 10	Per 100	Per 1000
Two Years, 1-2 to 5-8 inch	\$8.00	\$75.00	\$—
" 3-8 to 1-2 inch	6.50	60.00	—
" 2 to 3 feet	4.50	40.00	—
Almata, red fleshed	—	1-2	3-8
Delicious Dark Red	—	100	70
Fameuse	—	40	90
Jonathan Dark Red	—	20	10
McIntosh Early	—	40	120
Wealthy	—	30	15
	—	140	110
	—	—	30

CHERRIES—Sour—On Mahaleb

	Per 10	Per 100	Per 1000
Two years, 1 to 1½ inch, 5 feet and up-----	\$12.50	\$115.00	\$-----
			1 Inch
Early Richmond -----			150
English Morello -----			150
Montmorency -----			400
Royal Duke -----			150
	Per 10	Per 100	Per 1000
One year, 11-16 and up, 3½ feet and up -----	\$11.00	\$100.00	\$-----
			11-16
Early Richmond -----			1100
Montmorency -----			270

Sour Cherries are available in limited quantities and only in connection with orders for a general assortment of stock.

CHERRIES—Sweet

	Per 10	Per 100	Per 1000
One Year, 5-16 to 7-16 inches, 2½ feet and up, mostly whips-----	\$ 6.50	\$ 60.00	\$-----
" " 18 to 24 inches -----	5.00	45.00	-----
" " 12 to 18 inches -----	3.50	30.00	-----
	5-16	18-24	12-18
Governor Wood -----	220	50	15
Napoleon -----		60	90
Schmidt's Big -----	190	130	190
Windsor -----	300	100	130

HANSEN'S BUSH CHERRY

	Per 10	Per 100	Per 1000
800 Improved besseyi, 2 to 3 feet, transplants-----	\$2.90	\$25.00	\$220.00
600 " " 18 to 24 inches, " -----	2.40	20.00	180.00
2000 " " 3 to 4 feet, 2 year seedlings, branched -----	18.00	160.00	-----
1000 " " 2 to 3 feet, " " " -----	14.00	120.00	-----
3000 " " 18 to 24 ins., " " " -----	10.00	85.00	-----
1000 " " 12 to 18 ins., " " " -----	8.00	60.00	-----

PLUM

	Per 10	Per 100	Per 1000
One Year, 11-16 and up, 4½ feet and up-----	\$10.00	\$ 90.00	\$-----
" " 9-16 to 11-16, 4 feet and up-----	8.50	80.00	-----
" " 7-16 to 9-16, 3 feet and up-----	7.00	65.00	600.00
" " 5-16 to 7-16, 2 feet and up-----	5.00	45.00	400.00
" " 2 to 3 feet, under 5-16-----	4.00	35.00	-----

AMERICAN and HARDY HYBRIDS, One Year, on Native Roots

	11-16	9-16	7-16	5-16	2-3
Compass -----	80	-----	-----	-----	-----
Ember -----		150	100	260	40
Golden Rod -----	60	-----	580	600	300
Hanska -----	20	70	40	80	-----
Kahinta -----		180	120	-----	-----
La Crescent -----			160	290	-----
Monitor -----		100	-----	50	40
Oka -----	100	40	350	-----	-----
Opata -----	250	100	80	-----	-----
Pipestone -----			580	100	70
Redcoat -----	30	40	200	500	170
Red Wing -----	20	70	-----	50	-----
Sapa -----	450	400	60	60	-----
Superior -----			280	240	100
Toka -----	10	170	1120	1200	540
Tonka -----		50	150	200	-----
Underwood -----			300	50	80
Waneta -----			-----	20	60

PLUM

		Per 10	Per 100	Per 1000
One Year, 11-16 and up, 4½ feet and up		\$10.00	\$	\$
" " 9-16 to 11-16, 4 feet and up		8.50	80.00	
" " 7-16 to 9-16, 3 feet and up		7.50	70.00	
" " 5-16 to 7-16, 2 feet and up		5.50	50.00	

EUROPEAN, Two Years, on Myrobalan and one year on Peach

	11-16	9-16	7-16	5-16
Bradshaw			40	
Green Gage		50	15	20
Italian Prune		90	70	
Lombard			20	25
President		20	100	85
Reine Claude		100	190	30
Shrop Damson		30	20	100
Stanley Prune			200	20
Yellow Egg	40	240	350	200

JAPAN, One Year on Peach

Burbank		50	90
Santa Rosa	140		15

PEAR—Standard

	Per 10	Per 100	Per 1000
One and Two Years, 11-16 and up, 4½ feet and up	\$11.00	\$100.00	\$
" " " 9-16 to 11-16, 4 feet and up	9.00	85.00	800.00
" " " 7-16 to 9-16, 3 feet and up	8.00	75.00	700.00
" " " 5-16 to 7-16, 2 feet and up	6.00	55.00	500.00
" " " 7-8 inch and up, 5 feet and up	12.50	115.00	

	11-16	9-16	7-16	5-16	7-8
Bantam	200		120		
Bartlett		1200	1240		200
B. de Anjou				70	30
Beurre Bosc			450	140	
Clapp's Favorite				90	40
Douglas			100	200	
Duchess	200		200	230	100
Flemish Beauty	80	300	360	390	80
Garber	180	400	80	60	
Kieffer	100	150			200
Lincoln			280	25	40
*Mendel	400	120		80	
*Parker	840	300	160	100	100
Patten	200	50	220	130	
Seckel		50	480	500	

* Write for special prices on quantity lots.

PEAR—Whips

	Per 10	Per 100	Per 1000
One Year, 4 to 5 feet, Whips	\$ 7.00	\$ 65.00	\$600.00
" " 3 to 4 feet, "	5.50	50.00	
" " 2 to 3 feet, "	4.50	40.00	350.00
" " 18 to 24 inches, "	3.50	30.00	250.00
	4-5	3-4	2-3
Bartlett	900	180	700
Beurre Bosc	590	170	200
Douglas	60	--	10
Duchess	190	100	20
Flemish Beauty	80	300	
Kieffer	50	--	880
Lincoln	160	10	15
Patten	20	--	
Seckel	25	40	25

PEAR—Dwarf

	Per 10	Per 100	Per 1000
Two Years, 5-8 inch and up	\$11.00	\$100.00	\$-----
" " 3-8 to 1-2 inch	7.50	70.00	-----
			5-8 3-8
Bartlett			140
Duchess		300	20
Seckel			20

PEACH

	Per 10	Per 100	Per 1000
One Year, 11-16 and up, 4½ feet and up	\$ 8.00	\$ 75.00	\$-----
" " 9-16 to 11-16, 4 feet and up	7.00	65.00	-----
" " 7-16 to 9-16, 3 feet and up	5.00	45.00	-----
" " 5-16 to 7-16, 2 feet and up	3.50	30.00	-----
	11-16	9-16	7-16
Belle of Georgia	150	-----	400
Champion		100	---
Crawford's Early	40	-----	15
Early Elberta	250	150	500
Elberta		300	250
Golden Jubilee		-----	40
Halehaven	200	50	290
Heath Cling		-----	20
Rochester		-----	360
Valiant		160	60
Vedette	40	-----	60
Veteran		-----	80

PEACH—June Buds

	Per 10	Per 100	Per 1000
June Buds, 18 to 24 inches, about 5-16	\$ 2.90	\$ 25.00	\$220.00
			18-24
Early Elberta			1000
Elberta			3500
Golden Jubilee			800
J. H. Hale			460

APRICOTS

	Per 10	Per 100	Per 1000
One Year, 5-16 to 7-16, 2 feet and up	\$ 5.50	\$ 50.00	\$-----
" " 2-3 feet, under 5-16	4.50	40.00	-----
			5-16 2-3
Chinese		40	400
Iowa		150	-----
Mandarin		180	110
Moorpark		250	-----
Perfection		40	-----
Scout		50	-----
Sing		70	-----
Superb		170	-----

APRICOT—Trees

	Per 10	Per 100	Per 1000
One Year, 5-16 to 7-16 inch, 2 feet and up	\$ 2.80	\$ 25.00	\$220.00
			5-16
Chinese, Grown from seed			2200

QUINCE

		Per 10	Per 100	Per 1000
Two Years, 3-8 to 1-2 inch		\$ 6.50	\$ 60.00	\$ 3-8
Orange				70

NECTARINES

		Per 10	Per 100	Per 1000
One Year, 7-16 to 9-16 inch, 3 feet and up		\$ 7.00	\$ 65.00	\$
" " 5-16 to 7-16 inch, 2 feet and up		5.50	50.00	
Quetta				7-16 140 500

MULBERRY

		Per 10	Per 100	Per 1000
140 Russian, 3 to 4 feet, branched		\$ 2.40	\$ 20.00	\$

SMALL FRUITS

GRAPE VINES—Western New York Grown

Tied, 2 yr., 50; No. 2, 100 per bundle.

		Per 100	Per 1000
1000	Agawam (Roger's 15) large red, 2 years, No. 1	\$18.00	\$150.00
2900	" " " 2 years, No. 2	14.00	110.00
600	Beta, black, 2 years, No. 1	18.00	150.00
400	" " 2 years, No. 2	14.00	110.00
600	Caco, red, 2 years, No. 2	16.00	
150	Catawba, red, 2 years, No. 1	18.00	
400	" " 2 years, No. 2	14.00	110.00
26000	Concord, black, 2 years, No. 1	15.00	125.00
5000	" " 2 years, No. 2	10.00	85.00
6000	" " 1 year, No. 2	7.00	60.00
1000	Delaware, red, 2 years, No. 1	20.00	180.00
1000	" " 2 years, No. 2	15.00	130.00
4000	Fredonia, new, early, black, valuable, 2 years, No. 1	18.00	150.00
7900	" " " " 2 years, No. 2	14.00	110.00
3000	Moore's Early, black, 2 years, No. 1	20.00	160.00
1200	" " " 2 years, No. 2	14.00	120.00
2900	Niagara, white, 2 years, No. 1	20.00	160.00
2000	" " 2 years, No. 2	16.00	120.00
900	Sheridan, black, 2 years, No. 2	20.00	
600	Worden, black, 2 years, No. 1	18.00	150.00
1000	" " 2 years, No. 2	14.00	110.00

GOOSEBERRIES

Tied, No. 1, 25; No. 2, 50 per bundle.

		Per 100	Per 1000
300	Carrie, purplish-red, 2 years, No. 1	\$30.00	\$
350	" " " 2 years, No. 2	25.00	
5400	Champion, green, 2 years, No. 1	28.00	250.00
2200	" " 2 years, No. 2	22.00	200.00
200	Downing, pale-green, 2 years, No. 1	30.00	
3600	" " 2 years, No. 2	25.00	220.00
1150	Glendale, reddish-purple, 2 years, No. 1	30.00	280.00
500	" " " 2 years, No. 2	25.00	
4200	Houghton, dark red, 2 years, No. 1	28.00	250.00
1600	" " " 2 years, No. 2	22.00	200.00

SMALL FRUITS—Continued**CURRENTS**

Tied, No. 1, 25; No. 2, 50 per bundle.

		Per 100	Per 1000
400	Cherry, dark red, 2 years, No. 1	\$18.00	\$150.00
800	“ “ “ 2 years, No. 2	14.00	110.00
100	Fay's Prolific, dark red, 2 years, No. 1	18.00	—
1000	“ “ “ 2 years, No. 2	14.00	110.00
400	Perfection, bright red, 2 years, No. 1	21.00	180.00
500	“ “ “ 2 years, No. 2	16.50	140.00
500	Red Lake, light red, 2 years, No. 1	22.50	200.00
300	“ “ “ 2 years, No. 2	18.00	150.00
1100	Wilder, dark red, 2 years, No. 1	18.00	150.00
900	“ “ “ 2 years, No. 2	14.00	110.00

RASPBERRIES

Tied 25 per bundle.

		Per 100	Per 1000
3000	Chief, red suckers, No. 1	\$ 6.00	\$ 55.00
9000	Cumberland, black, tips	5.00	45.00
7000	Indian Summer, red, everbearing, suckers, No. 1	6.50	60.00
12000	Latham, red, suckers, No. 1	6.00	55.00
4500	Logan, black, tips	5.00	45.00
1400	Logan, black, transplants, No. 1 Heavy	8.50	80.00
2100	Morrison, black, tips	7.00	65.00
1500	Sodus, purple, tips	6.50	60.00
500	St. Regis, red, suckers, No. 1	6.00	55.00
1000	Sunrise, red, suckers, No. 1	6.00	55.00

BLACKBERRIES—Root Cutting Plants, No. 1

Tied 25 per bundle.

		Per 100	Per 1000
2500	Early Harvest	\$4.50	\$40.00
1000	Eldorado	4.50	40.00

MISCELLANEOUS BERRIES

Tied 25 per bundle.

		Per 100	Per 1000
4500	Boysenberry, tip plants, No. 1	\$ 7.50	\$ 65.00
2500	Boysenberry, Thornless, tip plants, No. 1	9.00	80.00
12000	Lucretia Dewberries, R. C. plants, No. 1	4.50	40.00
9000	Youngberry, Tip plants, No. 1	6.00	50.00
2100	“ “ “ Thornless, tip plants, No. 1	8.00	70.00

MISCELLANEOUS

		Per 100	Per 1000
21000	Asparagus, Mary Washington, 2 year	\$ 2.10	\$ 18.00
18000	“ “ “ 1 year	1.40	12.00
9000	“ “ “ 3 year	3.50	30.00
15000	“ Paradise, 2 year	2.40	20.00
14000	“ “ 1 year	1.90	16.00
5000	“ “ 3 year	4.00	35.00
2400	Horseradish, Cuttings	5.00	45.00
5000	“ Crowns	8.00	70.00
3000	Rhubarb, Victoria, whole roots, $\frac{1}{2}$ to $\frac{5}{8}$ inch	3.50	30.00
9000	“ “ “ $\frac{5}{8}$ to 1 inch	4.50	40.00
15000	“ “ “ 1 to $1\frac{1}{2}$ inch	5.60	50.00
11000	“ “ “ $1\frac{1}{2}$ to 2 inch	8.00	75.00
7500	“ “ “ 2 inch and up, Clumps	10.00	90.00

		Per 10	Per 100
750	Rhubarb, Chipman's Red, grown from divisions	\$ 5.50	\$50.00
2200	Rhubarb, McDonald, grown from divisions	4.00	35.00

FRUIT TREE STOCKS

We specialize in growing and distributing Fruit Tree Stocks, maintaining our own plant in the State of Washington.

WESTERN GROWN—Our experience has demonstrated that due to favorable climatic conditions western seedlings are superior for planting. We are using all western grown Apple Seedlings for our grafting and for budding stocks. Also use the other varieties of western grown Fruit Tree Stocks for our own budding.

PRICES—Are for shipment from Shenandoah.

APPLE SEEDLINGS—Washington Grown		Per 100	Per 1000
5000	1/4-inch and up, Branched, heavy	\$ 3.50	\$ 30.00
8000	1/4-inch and up, Straight, heavy	3.20	28.00
14000	No. 1, 3-16 inch and up, Straight, strong	2.90	25.00
33000	No. 2, 2-16 to 3-16 Branched, strong	2.10	18.00
39000	No. 2, 2-16 to 3-16, Straight, strong	2.10	18.00
55000	No. 3, about 2-16	1.40	12.00

PEAR SEEDLINGS—Washington Grown

Bartlett

19000	1/4-inch and up, Branched, heavy	3.70	32.00
20000	No. 1, 3-16 to 1-4 inch, Branched	3.20	28.00
16000	No. 1, 3-16 to 1-4 inch, Straight	3.20	28.00
61000	No. 2, 2-16 to 3-16 inch, Branched	2.40	20.00
47000	No. 3, about 2-16 inch	1.70	14.00

PLUM MYROBOLAN—Western Grown

26000	1/4-inch and up	3.50	30.00
6000	No. 2, 2-16 to 3-16	2.40	20.00

DECIDUOUS TREE and ORNAMENTAL SEEDLINGS

Our seedlings are graded not only by height but particular attention is given to caliper, which insures a strong grade.

Tied 3-4 ft. and up, 25; 2-3 ft., 50; 18-24 in. and smaller, 100 per bundle.

ASH, GREEN, Fraxinus lanceolata		Per 100	Per 1000
7000	6 to 12 inches	\$ 1.20	\$ 10.00
800	2 to 3 feet	3.50	30.00

ASH, WHITE, Fraxinus americana

10000	6 to 12 inches	1.20	10.00
700	18 to 24 inches	2.50	—
1000	2 to 3 feet	3.50	30.00

BOX ELDER, Acer negundo

8000	6 to 12 inches	1.20	10.00
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BUCKTHORN Cathartica, Rhamnus Cathartica

500	12 to 18 inches	4.00	—
500	18 to 24 inches	5.00	—

BUCKTHORN Frangula, Rhamnus Frangula

800	9 to 12 inches	3.00	—
300	12 to 18 inches	4.50	—
500	18 to 24 inches	6.00	—

CARAGANA arborescens, Siberian Pea-Tree

6800	9 to 12 inches	2.10	18.00
1300	12 to 18 inches	2.90	25.00

CATALPA Speciosa, Western Catalpa

3000	6 to 12 inches	.90	8.00
1000	12 to 18 inches	1.40	12.00
2000	18 to 24 inches	2.10	18.00
3000	2 to 3 feet	2.90	25.00
5000	3 to 4 feet	4.00	35.00

ELM, AMERICAN WHITE, Ulmus americana

29000	6 to 12 inches	.80	7.00
60000	12 to 18 inches	1.40	12.00
2200	5 to 6 feet	12.00	100.00
1100	6 to 8 feet	18.00	150.00

DECIDUOUS TREE and ORNAMENTAL SEEDLINGS—Continued.

ELM, CHINESE, *Ulmus pumila*

We have a splendid lot of Chinese Elm seedlings in all grades, graded by height and caliper, making a strong grade. All seedlings for spring trade will be spring dug.

		Per 100	Per 1000
65000	6 to 12 inches	\$.80	\$ 7.00
61000	12 to 18 inches	1.50	12.50
59000	18 to 24 inches	2.10	18.00
26000	2 to 3 feet	2.90	25.00
7500	3 to 4 feet	5.00	45.00
2000	5 to 6 feet	12.00	100.00
2000	6 to 8 feet	18.00	150.00

HACKBERRY, *Celtis occidentalis*

1000	6 to 12 inches	1.40	12.00
600	18 to 24 inches	2.90	25.00

LOCUST HONEY, *Gleditisa triacanthos*

7000	12 to 18 inches	1.40	12.00
12000	18 to 24 inches	2.10	18.00
6000	2 to 3 feet	2.90	25.00
3600	3 to 4 feet	4.50	40.00
900	4 to 5 feet	7.00	60.00

LOCUST HONEY, Thornless, *Gleditsia triacanthos inermis*

5000	12 to 18 inches	1.80	15.00
1000	18 to 24 inches	2.60	22.00
700	2 to 3 feet	3.50	30.00

MAPLE SILVER LEAVED, *Acer dasycarpum*

2000	2 to 3 feet	3.50	30.00
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MULBERRY, Russian, *Morus tatarica*

6000	6 to 12 inches	1.20	10.00
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OSAGE ORANGE, *Maclura pomifera*

12000	6 to 12 inches	.70	6.00
14000	12 to 18 inches	1.20	10.00
10000	18 to 24 inches	1.70	14.00
11000	2 to 3 feet	2.10	18.00
5000	3 to 4 feet	2.90	25.00

PRUNUS Tomentosa, Nanking Cherry

2400	12 to 18 inches	4.50	40.00
5000	18 to 24 inches	6.50	60.00
1100	2 to 3 feet	10.00	90.00

RUSSIAN OLIVE, *Elaeagnus angustifolia*

3000	6 to 12 inches	2.10	18.00
6000	12 to 18 inches	3.20	28.00
5000	18 to 24 inches	4.50	40.00
11000	2 to 3 feet	6.50	60.00
2000	3 to 4 feet	10.00	85.00

WALNUT BLACK, *Juglans nigra*

400	12 to 18 inches	3.50	
4500	18 to 24 inches	4.50	40.00
1500	2 to 3 feet	6.00	55.00
4500	3 to 4 feet	9.00	80.00

ONE YEAR FROM CUTTINGS

		Per 100	Per 1000
1000	Carolina, (Norway Variety) lightly branched, 4 to 5 feet	\$ 7.50	\$ 65.00
1000	Lombardy whips, lightly branched, 4 to 5 feet	9.00	80.00
2000	" " " 5 to 6 feet	12.00	100.00

WILLOW, *Salix*

500	Russian Golden (vitellina) 2 to 3 feet	3.70	32.00
4000	" " " 3 to 4 feet	4.50	40.00
1500	" " " 4 to 5 feet	5.50	50.00

DECIDUOUS TREES

Our Shade and Ornamental Trees are first class, well shaped, young and vigorous nursery grown trees with good roots. They have been grown from seedlings transplanted in nursery row especially for this purpose.

All calipers taken 6 inches above the collar.

ARALIA, mandshurica, 18 to 20 feet

Similar to the spinosa variety but much hardier. Long leaves with large clusters of small white flowers in July-August. Has tropical appearance.

		Per 10	Per 100	Per 1000
150	12 to 18 inches	\$ 1.80	\$ 15.00	\$ -----
120	18 to 24 inches	2.50	22.00	-----
150	2 to 3 feet	3.50	30.00	-----

ASH, American White, *Fraxinus alba*

Tall growing, valuable tree for street and park planting.

150	5 to 6 feet	5.50	50.00	-----
190	6 to 8 feet	8.00	75.00	-----
350	8 to 10 feet	11.00	100.00	-----
140	1½ to 2 inches	18.00	165.00	-----

European, *Fraxinus excelsior*, 100 ft.

Tall growing with spreading habit; dark green foliage.

30	8 to 10 feet	14.00	-----	-----
60	1½ to 2 inches	22.00	-----	-----

Green, *Fraxinus lanceolata*, 50-60 ft.

Thrives over a wide territory. Especially valuable for planting in high altitudes and dry cold climates. Succeeds everywhere. Valuable on the farm.

150	4 to 5 feet	4.00	35.00	-----
220	5 to 6 feet	5.50	50.00	-----
400	6 to 8 feet	8.00	75.00	-----
300	8 to 10 feet	11.00	100.00	-----
450	1½ to 2 inches	18.00	165.00	-----
100	2 to 2½ inches	30.00	275.00	-----

Red, *Fraxinus pennsylvanica*, 50-60 ft.

Tall growing with spreading habit of growth.

240	6 to 8 feet	8.00	75.00	-----
350	8 to 10 feet	11.00	100.00	-----
100	1½ to 2 inches	18.00	165.00	-----

BIRCH, European White, *Betula alba*, 30-40 ft.

A hardy attractive tree with white bark.

100	6 to 8 feet	12.00	110.00	-----
60	8 to 10 feet	15.00	140.00	-----
200	1¼ to 1½ inches	17.50	-----	-----
60	1½ to 1¾ inches	22.50	-----	-----
20	1¾ to 2 inches	27.50	-----	-----
40	2 to 2½ inches	37.50	-----	-----

BOX ELDER, See Maple.

CATALPA, *bungei*, Umbrella Catalpa, 12-18 ft.

Vigorous, large, dark green leaves, used for formal planting.

50	6 to 7-foot stems, 2-year heads	17.50	-----	-----
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Western Catalpa, *speciosa*, 30-35 ft.

Well known hardy tree. White flowers, May-June.

20	5 to 6 feet, mostly whips	4.50	-----	-----
15	6 to 8 feet, " " "	5.50	-----	-----
10	8 to 10 feet, " " "	8.00	-----	-----

DECIDUOUS TREES—Continued.

CRAB FLOWERING—SHRUB FORM

The following varieties are available in shrub or bush form. They are excellent plants for landscape planting.

	Per 10	Per 100	Per 1000
3 to 4 feet	\$ 6.50	\$ 60.00	\$ -----
4 to 5 feet	8.00	75.00	-----
5 to 6 feet	10.00	90.00	-----

Eleyi, Single pink with reddish foliage and red fruit	5-6'	4-5'	3-4'
Hopa, Red buds, pink flowers with red fruit	-----	680	220
Red Silver, Pink flowers, attractive reddish foliage	250	100	-----

CRAB, Flowering Hopa. 18 to 20 ft.

A beautiful, upright growing tree with attractive foliage. Entirely covered with crimson buds opening to rose colored flowers in April. Fruit red inside and out, hanging on until late Autumn. Very hardy and free from disease. Planted extensively.

	Per 10	Per 100	Per 1000
250 6 to 8 feet, Tree Form	\$10.00	\$ 85.00	\$ -----

ELM—American White, *Ulmus americana*. 60-100 ft.

The most popular American tree for street and general planting.

400 5 to 6 feet	5.00	45.00	-----
1400 6 to 8 feet	7.00	65.00	-----
2400 8 to 10 feet	10.00	90.00	-----
2000 1 1/4 to 1 1/2 inches	12.00	110.00	-----
1700 1 1/2 to 1 3/4 inches	19.00	175.00	-----
400 1 3/4 to 2 inches	25.00	225.00	-----
1100 2 to 2 1/2 inches	33.00	300.00	-----
800 2 1/2 to 3 inches	45.00	400.00	-----
1050 3 to 3 1/2 inches	60.00	550.00	-----
300 3 1/2 to 4 inches	80.00	700.00	-----
100 4 to 5 inches	85.00	-----	-----

Chinese, *Ulmus pumila*. 40-50 ft.

A hardy, rapid grower, slender branches, compact habit of growth with small attractive leaves. Highly recommended for dry climate.

900 4 to 5 feet	3.50	30.00	-----
500 5 to 6 feet	5.50	50.00	-----

English, *Ulmus procera (campestris)* 75-100 ft.

Spreading branches forming a broad, round topped head.

40 6 to 8 feet	12.50	-----	-----
60 1 1/4 to 1 1/2 inches	22.00	200.00	-----
100 1 1/2 to 1 3/4 inches	27.50	250.00	-----
60 1 3/4 to 2 inches	32.50	-----	-----
60 2 to 2 1/2 inches	40.00	-----	-----
50 2 1/2 to 3 inches	50.00	-----	-----
30 3 to 3 1/2 inches	60.00	-----	-----

Lake City, 70-90 ft.

Upright, closely branched type of American Elm, suitable for street and boulevard planting. Highly recommended.

50 6 to 8 feet	10.00	90.00	-----
70 8 to 10 feet	12.50	-----	-----
70 1 1/4 to 1 1/2 inches	16.00	-----	-----
30 1 1/2 to 1 3/4 inches	22.50	-----	-----
25 2 1/2 to 3 inches	50.00	-----	-----

Moline, *Ulmus molini*, 80-100 ft.

A pyramidal, vigorous growing variety with large, handsome green foliage. Fine tree for street and drive planting.

200 5 to 6 feet	7.00	65.00	-----
500 6 to 8 feet	10.00	90.00	-----
700 8 to 10 feet	13.50	125.00	-----
350 1 1/4 to 1 1/2 inches	17.50	160.00	-----
100 1 1/2 to 1 3/4 inches	25.00	225.00	-----
40 2 to 2 1/2 inches	40.00	-----	-----
60 2 1/2 to 3 inches	50.00	-----	-----
80 3 to 3 1/2 inches	65.00	600.00	-----
20 3 1/2 to 4 inches	75.00	-----	-----

DECIDUOUS TREES—Continued.

ELM, *Ulmus*—Continued.Vase, *Ulmus urni*, 80-100 ft.

An American Elm with vase formation of limbs. Uniform type, rapid grower. Distinct improvement.

		Per 10	Per 100	Per 1000
50	8 to 10 feet	\$13.50	\$	\$
20	1½ to 1¾ inches	25.00		
70	1¾ to 2 inches	30.00		
100	2 to 2½ inches	37.50	350.00	
30	2½ to 3 inches	50.00		

HACKBERRY, *Celtis occidentalis*, 50 ft.

A valuable shade tree of rapid spreading growth. Limbs seldom broken by wind.

100	6 to 8 feet	10.00	90.00	
370	8 to 10 feet	13.50	125.00	
600	1½ to 2 inches	22.00	200.00	
400	2 to 2½ inches	33.00	300.00	
250	2½ to 3 inches	44.00	400.00	
200	3 to 3½ inches	55.00	500.00	
60	3½ to 4 inches	70.00		

HONEYLOCUST, *Gleditsia triacanthos*, 50-60 ft.

A thorny tree with attractive pinnate leaves. Fragrant white flowers in May. Long lived, hardy tree. Succeeds on most any kind of soil. Not affected by borers or drought.

180	5 to 6 feet	6.50	60.00	
550	6 to 8 feet	10.00	90.00	
750	8 to 10 feet	13.50	125.00	
900	1½ to 2 inches	22.00	200.00	
300	2 to 2½ inches	33.00	300.00	
70	2½ to 3 inches	44.00	400.00	

Thornless, *Gleditsia triacanthos inermis*, 50-60 ft.

A variety of *Triacanthos* without thorns.

90	5 to 6 feet	8.00	75.00	
80	6 to 8 feet	12.00	110.00	
50	8 to 10 feet	16.50	150.00	
40	1½ to 2 inches	25.00		

KENTUCKY COFFEETREE, *Gymnocladus dioicus*, 50-70 ft.

Light blue green fern-like foliage. Very picturesque even in winter. White flowers, June.

50	6 to 8 feet	16.50	150.00	
40	8 to 10 feet	22.00	200.00	

LINDEN, Pyramidal, Pyramidal American Linden, 60-70 ft.

A budded variety of American Linden with attractive and distinct pyramidal habit of growth.

40	6 to 8 feet	14.00	125.00	
30	1½ to 2 inches	25.00		
20	2 to 2½ inches	32.50		

silvestris, *Tilia silvestris*, 70 ft.

A variety of *Tilia cordata* small leaf European Linden.

50	2 to 2½ inches	40.00	350.00	
200	2½ to 3 inches	47.50	425.00	
100	3 to 3½ inches	57.50	525.00	

MAY DAY TREE, See *Prunus*MAPLE, Box Elder, *Acer negundo*, 40-50 ft.

Hardy, rapid growing tree with bright green foliage.

20	6 to 8 feet	7.50		
80	8 to 10 feet	10.00		
150	1½ to 2 inches	16.50	150.00	
40	2 to 2½ inches	25.00		

DECIDUOUS TREES—(Continued)

MAPLE—(Continued)

Norway, *Acer platanoides*. 50-60 ft.

Hardy, popular tree. Fine for park and street planting.				Spreading habit.
		Per 10	Per 100	Per 1000
90	8 to 10 feet, branched	\$19.00	\$175.00	\$
140	1½ to 1½ inches	25.00	225.00	—
400	1½ to 1¾ inches	32.50	300.00	—
100	1¾ to 2 inches	37.50	350.00	—
80	2 to 2½ inches	50.00	450.00	—
80	2½ to 3 inches	60.00	550.00	—

Silver, *Acer saccharinum (dasycarpum)* 60-80 ft.

Well known, rapid growing tree. Leaves silver underneath.

550	4 to 5 feet	3.50	30.00	—
350	5 to 6 feet	5.00	45.00	—
750	6 to 8 feet	7.00	65.00	—
100	1½ to 2 inches	16.50	150.00	—

Sugar, *Acer saccharum*. 50-75 ft.

Splendid hardy ornamental tree. Foliage turning bright orange, sometimes scarlet in autumn.

100	1¼ to 1½ inches	30.00	260.00	—
90	1½ to 1¾ inches	37.50	325.00	—

MOUNTAIN ASH, European, *Sorbus aucuparia*. 20-40 ft.

A valuable ornamental tree with scarlet berries. August-September.

90	2 to 2½ inches	37.50	325.00	—
150	2½ to 3 inches	45.00	400.00	—
50	3 to 3½ inches	55.00	—	—

OAK, BLACK, *Quercus velutina*. 75-80 ft.

Deep green foliage turning yellow or reddish-brown in autumn.

50	6 to 8 feet	16.50	—	—
50	8 to 10 feet	22.00	—	—
100	1½ to 2 inches	27.50	250.00	—
60	2 to 2½ inches	40.00	—	—

Bur, Mossycup, *Quercus macrocarpa*. 75-80 ft.

Strong growing oak, picturesque appearance due to its corky branches.

110	4 to 5 feet	8.00	75.00	—
300	5 to 6 feet	11.00	100.00	—
250	6 to 8 feet	16.50	150.00	—
150	8 to 10 feet	22.00	200.00	—
160	1½ to 2 inches	32.50	300.00	—
90	2 to 2½ inches	45.00	400.00	—

English, *Quercus robur*. 60-80 ft.

A long-lived Oak with stout branches, forming a broad round-topped head.

15	1½ to 2 inches	30.00	—	—
20	2 to 2½ inches	40.00	—	—
20	2½ to 3 inches	60.00	—	—

Laurel, *Quercus laurifolia*. 60-80 ft.

An attractive Oak with slender branches forming a dense round topped head, and with handsome glossy foliage.

30	6 to 8 feet	16.50	—	—
90	8 to 10 feet	22.00	200.00	—
400	1½ to 2 inches	32.50	300.00	—
200	2 to 2½ inches	45.00	400.00	—
40	2½ to 3 inches	60.00	—	—

Pin, *Quercus palustris*. 70-80 ft.

Of rapid growth. Leaves deeply cut and colors beautiful in autumn. Transplants more readily than most varieties.

150	6 to 8 feet	15.00	135.00	—
890	8 to 10 feet	22.00	200.00	—
1650	1½ to 2 inches	35.00	300.00	—
1800	2 to 2½ inches	45.00	400.00	—
780	2½ to 3 inches	55.00	500.00	—
450	3 to 3½ inches	65.00	600.00	—
90	3½ to 4 inches	80.00	—	—

DECIDUOUS TREES—(Continued)

OAK—Continued.

Red, *Quercus rubra*. 60-80 ft.

An excellent tree for park and street planting. Beautiful foliage turning red in autumn.

		Per 10	Per 100	Per 1000
250	6 to 8 feet	\$18.00	\$165.00	\$
450	8 to 10 feet, 1½ to 1¾ inches	25.00	225.00	
300	1½ to 2 inches	40.00	350.00	
350	2 to 2½ inches	50.00	450.00	
300	2½ to 3 inches	60.00	550.00	
140	3 to 3½ inches	70.00	650.00	

Scarlet, *Quercus coccinea*. 75-90 ft.

Most striking Autumn colors; tall stately grower, deeply cut leaves.

30	6 to 8 feet	18.00		
150	8 to 10 feet, 1½ to 1¾ inches	25.00	225.00	
70	2 to 2½ inches	50.00		
30	2½ to 3 inches	60.00		

White, *Quercus alba*. 60-80 ft.

A rugged Oak of slow growth making a large, magnificent tree.

80	5 to 6 feet	13.00	120.00	
250	6 to 8 feet	18.00	165.00	
750	8 to 10 feet	25.00	225.00	
800	1½ to 2 inches	40.00	350.00	
300	2 to 2½ inches	50.00	450.00	
200	2½ to 3 inches	60.00	550.00	
100	3 to 3½ inches	70.00	650.00	

POPLAR, Lombardy, *nigra italicica*. 60-80 ft.

Tall grower, pyramidal. Valuable for landscape work and screens. Low branched.

250	8 to 10 feet, low branched	5.50	50.00	
560	1¼ to 1½ inches, low branched	7.00	65.00	
1000	1½ to 2 inches, "	10.00	90.00	
400	2 to 2½ inches, "	14.00	125.00	

PRUNUS, Ornamental Plum

Cistena, Hansen's Purple Leaved Plum. 5-6 ft.

A dwarf variety with rich purple red foliage. Bush form.

160	12 to 18 inches	4.00	35.00	
150	18 to 24 inches	5.50	50.00	

Hansen Bush Cherry. 6-7 ft.

An improved *Prunus besseyi*; very productive and extremely hardy.

600	18 to 24 inches, transplants, branched	2.40	20.00	180.00
800	2 to 3 feet, "	2.90	25.00	220.00

Newport, Purple Leaved (Bush form). 15-20 ft.

Hardy upright grower. Foliage reddish purple with bright red tips.

100	12 to 18 inches	4.00	35.00	
100	2 to 3 feet	6.50	60.00	
70	3 to 4 feet	8.00	75.00	

Padus commutata, May Day Tree. 18-20 ft.

Very early blooming, producing a wealth of large, clear white fragrant flowers in clusters followed by edible fruit. May be grown either bush or tree form. Very hardy.

180	2 to 3 feet	4.00	35.00	
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Persica, Red Flowering Peach. 15-20 ft.

An early blooming, double flowering peach.

160	18 to 24 inches	3.50	30.00	
200	2 to 3 feet	4.50	40.00	

Triloba, Flowering Plum. 8-10 ft.

A handsome, hardy, vigorous, large shrub or small tree with double pink flowers in April-May. Will succeed over a wide territory. Bush form.

300	12 to 18 inches, on peach	4.00	35.00	
450	18 to 24 inches, "	5.50	50.00	
100	2 to 3 feet, "	7.00	65.00	

PTELEA trifoliata, Common Hoptree (Wafer Ash). 10-12 ft.

Has clusters of seed pods that look and smell like hops.

100	6 to 8 feet	11.00	100.00	
100	8 to 10 feet	16.50	150.00	

DECIDUOUS TREES—(Continued)

THORN, Crataegus, Arnoldiana, Arnold's Thorn. 18-20 ft.

An open-headed tree having white flowers in May and bright crimson fruit in August. Per 10 Per 100 Per 1000

30 3 to 4 feet	\$12.50	\$	\$
30 4 to 5 feet	17.50		

Coccinea, Thicket Hawthorn. 20-25 ft.

Bushy tree, white flowers, dull red fruit.

90 3 to 4 feet	12.50		
40 4 to 5 feet	17.50		
50 5 to 6 feet	22.50		

Cordata, Washington Hawthorn. 20-25 ft.

Bright red fruit, brilliant autumn foliage.

200 3 to 4 feet	12.50	115.00	
100 4 to 5 feet	17.50	160.00	
20 5 to 6 feet	22.50		

Crusgalli, Cockspur Thorn. 15-18 ft.

Deep green shiny leaved distinctive Hawthorn. Conspicuous white flowers, red fruit, long thorns.

150 3 to 4 feet	12.50	115.00	
80 4 to 5 feet	17.50	160.00	
10 5 to 6 feet	22.50		

Mollis, Downy Hawthorn. 15 ft.

Vigorous spreading growth. Large leaves, attractive red fruit.

150 3 to 4 feet	8.00	75.00	
100 4 to 5 feet	12.00	110.00	
200 5 to 6 feet	16.50	150.00	
200 6 to 8 feet	28.00	250.00	

Punctata, Dotted Hawthorn. 25-30 ft.

Broad-headed, small tree with large, white flowers in May; dull red, spotted fruit in October.

40 3 to 4 feet	12.50		
100 4 to 5 feet	17.50	160.00	
90 5 to 6 feet	22.50	200.00	
140 6 to 8 feet	27.50	250.00	

WALNUT, Thomas Black. (1 year grafted) 50-60 ft.

A grafted variety of Black Walnut that produces very large nuts with larger kernels, better flavor, and much easier to get out. Bears very young, and after a few years will produce big crops.

100 2 to 3 feet	13.50	125.00	
50 3 to 4 feet	16.50	150.00	

WILLOW, Salix**Babylonica, Babylon Weeping Willow. 40-50 ft.**

Rapid grower with long pendulous branches. Not hardy in this latitude.

150 5 to 6 feet	6.50	60.00	
100 8 to 10 feet	14.00	125.00	

Laurel leaved, Salix pentandra. 30-40 ft.

Hardy, upright grower with large, dark green leaves.

70 4 to 5 feet	4.00	35.00	
100 5 to 6 feet	6.50	60.00	

Pussy, Salix discolor. 20-25 ft.

Popular willow on account of catkins in March-April before leaves.

500 12 to 18 inches	1.80	15.00	
750 18 to 24 inches	2.50	22.00	

Russian Golden, Salix vitellina aurea. 25-30 ft.

Medium spreading growth. Golden yellow bark. Very hardy.

120 4 to 5 feet	3.50	30.00	
300 5 to 6 feet	5.50	50.00	
200 6 to 8 feet	8.00	75.00	

Wisconsin Weeping, Salix blanda. 40-50 ft.

Spreading limbs and pendulous branches. Dark green leaves. Hardy.

250 4 to 5 feet	4.00	35.00	
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ORNAMENTAL SHRUBS

Our shrubs are well grown, bushy stock, many of them twice transplanted, grown on rich land, with plenty of room to develop well finished plants. Are confident they will please your trade.

Tied 9-12 and 12-18, 25; 18-24 and 2-3, 10; 3-4 and 4-5, 5 per bundle.

ACANTHOPanax sieboldianus (pentaphyllum), Five leaf Aralia. 10 ft.

A graceful shrub with arching branches and bright green, shining foliage, excellent on rocky banks and slopes.

		Per 10	Per 100	Per 1000
170	12 to 18 inches	\$ 1.90	\$ 16.00	\$ -----
1100	18 to 24 inches	2.50	22.00	200.00
1600	2 to 3 feet	3.50	30.00	270.00
240	3 to 4 feet	4.50	40.00	-----

ALMOND, Pink Flowering, Prunus glandulosa. 5-6 ft.

Double pink. Very ornamental, limbs being covered with masses of flowers. April-May.

150	3 to 4 feet, Own Root	6.00	55.00	-----
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ALTHEA, Hibiscus syriacus. 10-12 ft.

Upright shrub, blooming August and September. Colors, pink, purple, red and white.

12 to 18 inches	1.80	15.00	-----
18 to 24 inches	2.40	20.00	-----
2 to 3 feet	3.20	28.00	-----
3 to 4 feet	4.00	35.00	-----

d—Double	s—Single	3-4'	2-3'	18-24"	12-18"
Amplissima, d lilac pink		150	80	-----	-----
Anemonaeflorus, d pink		250	180	300	50
Ardens, d purple		150	-----	-----	-----
Boule de Feu, d red		200	150	100	-----
Lucy, d red		100	-----	190	-----
Purple, semi-double		20	80	100	60
Rubis, s red		300	300	-----	-----

ARONIA melanocarpa, Black Chokeberry. 6-8 ft.

Attractive white flowers, smooth foliage, with black shiny fruit in Autumn.

		Per 10	Per 100	Per 1000
130	12 to 18 inches	\$ 2.10	\$ 18.00	\$ -----
160	18 to 24 inches	2.90	25.00	-----
70	2 to 3 feet	4.00	35.00	-----

BARBERRY, Berberis

thunbergi Common Barberry. 4-5 ft.

Pale yellow flowers. April-May. A splendid hardy hedge plant. Also fine for mass planting. Brilliant red fruit and foliage in autumn.

3500	9 to 12 inches	1.40	12.00	-----
9100	12 to 15 inches	2.10	18.00	150.00
6700	15 to 18 inches	2.50	22.00	200.00
2800	18 to 24 inches	3.20	28.00	250.00
2200	2 to 2½ feet	3.80	35.00	300.00
140	2½ to 3 feet	4.50	40.00	-----

See Hedging for Seedlings and smaller grades.

Red Leaved, Berberis atropurpurea. 3-6 ft.

Variety of Japanese Barberry with bright red foliage.

400	9 to 12 inches	2.40	20.00	-----
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ORNAMENTAL SHRUBS—Continued

TRUEHEDGE COLUMNBERRY**Var. Berberis Thunbergi, erecta**

Plant Patent No. 110

Recommended for formal hedges, individual specimen shrubs, window boxes, etc. Grows in pyramidal form without pruning. Has dense glossy foliage; valuable for many purposes. For resale at retail only at prices specified herein.

	Wholesale Prices Net			Retail Resale Prices			
	Per 10	Per 100	Per 1000	Each	Per 5	Per 25	Per 100
90	15 to 18 inches	\$4.00	\$35.00	\$320.00	\$.80	\$3.25	\$14.50
1100	18 to 24 inches	5.00	45.00	400.00	1.00	4.00	17.50
350	2 to 2½ feet	6.50	55.00	500.00	1.20	5.00	22.50

BUCKTHORN, Rhamus cathartica, Common Buckthorn. 10-12 ft.

Very hardy, dark green leaves, black berries. Valuable for hedging in the north.

	Per 10	Per 100	Per 1000
190	12 to 18 inches	\$1.20	\$10.00
370	18 to 24 inches	1.80	15.00

frangula, Glossy Buckthorn. 10-12 ft.

Upright, hardy shrub, used for hedging. Berries red changing to black.

80	18 to 24 inches	2.40	20.00
140	2 to 3 feet	3.20	28.00

Korean. 8-10 ft.

A hardy, vigorous grower with large dark green leaves. Foliage very attractive; produces an abundance of black fruit.

100	18 to 24 inches	2.40	20.00
400	2 to 3 feet	3.20	28.00

BUDDLEIA, Butterfly Bush, Perennial Shrub. 4-5 ft.**Charming**

Long sprays covered with lavender-pink blooms which compared to other varieties, are distinctly pink. Has exceptional value for house decoration.

1500	Medium	2.50	22.00
1000	No. 1	3.20	28.00

Concord

A new dark red Buddleia with blood-red eye shading lighter to edge of petals. Strong spikes.

100	Medium	2.50	22.00
400	No. 1	3.20	28.00

Dubonnet

A new, dark wine, dubonnet colored Buddleia with firm, large, spikes and individual flowers of good size that do not sunburn.

1000	Medium	2.40	20.00	180.00
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Fortune (Plant Patent No. 206). 4-6 ft.

Flowers of pure lilac with a brilliant orange eye; large, fully round sprays of 2 ft. in length. Desirable for cut flowers. Foliage deep leathery, dark green. Prolific bloomer. (Retails at 75¢ each, \$6.00 per doz.)

100	No. 1	3.50	25.00
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Ille de France. 4-6 ft.

Large flowers of rich, reddish-purple, borne in long panicles.

290	Medium	2.40	20.00	180.00
700	No. 1	2.90	25.00	220.00

Orchid Beauty

An orchid pink with brilliant, orange eye and flower heads up to 24 inches in length, broad at base. Excellent as a cut flower. New.

500	Medium	2.50	22.00
750	No. 1	3.20	28.00

ORNAMENTAL SHRUBS—Continued

BUDDLEIA, Butterfly Bush, Perennial Shrub. 4-5 ft.—Continued.

WHITE BOUQUET

(Patent No. 536)

A new white Buddleia carrying 8" spikes of fully rounded-out blooms. Splendid for cut flower purposes. (Retails at 75¢ each, \$7.50 per doz.)

Per 10 Per 100 Per 1000

450 No. 1 ----- \$4.00 \$35.00 \$300.00

EMPIRE BLUE

(Patent No. 557)

We have seen no other blue Buddleia that compares with this. The color is an Aster-blue with a delicate lilac tone, the whole effect being an exquisite shade of blue.

Per 10 Per 100 Per 1000

190 Medium, dormant plants, field grown ----- \$2.90 \$25.00 \$ -----
(Retails 75¢ each, \$7.50 per doz.)

ROYAL RED

(Patent No. 556)

A new variety of merit, producing from July until frost an abundance of large, fully round sprays of 2 ft. in length; color rich dark royal purple, intensified to almost red when displayed under artificial light. Plant attains 4-6 ft. height, and foliage is deep leathery green.

Per 10 Per 100 Per 1000

250 No. 1, dormant plants, field grown ----- \$4.00 \$35.00 \$ -----
1500 Medium, dormant plants, field grown ----- 2.90 25.00 -----
(Retails 75¢ each, \$7.50 per doz.)

CARAGANA arborescens, Siberian Pea-Tree. 12-15 ft.

Very hardy. Yellow flowers in May-June.

Per 10 Per 100 Per 1000
150 12 to 18 inches ----- \$ 1.40 \$ 12.00 \$ -----

CHAENOMELES, See Cydonia

CORNUS, Dogwood

alba sibirica, Siberian Dogwood. 10-12 ft.

Hardy, vigorous, upright shrub producing small white flowers, April-May. Porcelain blue fruit. Bright red bark in winter.

500	12 to 18 inches	1.80	16.00	140.00
600	18 to 24 inches	2.50	22.00	-----
400	2 to 3 feet	3.50	30.00	-----
1200	3 to 4 feet	4.50	40.00	350.00

Goldentwig, stolonifera flaviramea. 8-10 ft.

Distinct yellow bark, has fine winter effect.

250	18 to 24 inches	2.50	22.00	-----
140	2 to 3 feet	3.50	30.00	-----

racemosa (paniculata) Gray Dogwood. 12-15 ft.

White flowers in May followed by white fruit.

70	18 to 24 inches	2.50	22.00	-----
190	2 to 3 feet	3.50	30.00	-----
100	3 to 4 feet	4.50	40.00	-----
180	4 to 5 feet	5.50	50.00	-----

stolonifera, Red Osier Dogwood. 10 ft.

Dark, wine-colored branches. White flowers in May-June followed with white berries.

100	12 to 18 inches	1.80	16.00	140.00
900	18 to 24 inches	2.50	22.00	200.00
1500	2 to 3 feet	3.20	28.00	250.00
800	3 to 4 feet	4.00	35.00	300.00

ORNAMENTAL SHRUBS—Continued

COTONEASTER, divaricata, Spreading Cotoneaster. 5-6 ft.

Handsome shrub bearing pink flowers and red berries. Foliage nearly evergreen.

		Per 10	Per 100	Per 1000
100	18 to 24 inches	\$ 4.50	\$ 40.00	\$ -----
480	2 to 3 feet	6.50	60.00	-----
250	3 to 4 feet	8.50	80.00	-----
150	4 to 5 feet	11.00	100.00	-----

CYDONIA japonica (Chaenomeles). Flowering Quince. 5-6 ft.

Our Cydonia are grown from cuttings secured from blooming wood, producing uniform scarlet colored flowers.

900	12 to 18 inches	1.90	16.00	-----
500	18 to 24 inches	2.50	22.00	-----
2100	2 to 3 feet	3.20	28.00	250.00
2800	3 to 4 feet	3.80	33.00	300.00

Pink Princess, japonica rosea, pink flowering quince, 5-6 ft.

Pink flowering variety, Grown from cuttings.

150	9 to 12 inches	1.70	14.00	-----
50	12 to 18 inches	2.40	20.00	-----

DEUTZIA, Pride of Rochester. 10-12 ft.

Strong grower, free bloomer, double white flowers tinged pink.

250	12 to 18 inches	1.90	16.00	-----
1200	18 to 24 inches	2.50	22.00	200.00
200	2 to 3 feet	3.50	30.00	-----

ELAEAGNUS angustifolia, Russian Olive. 20-25 ft.

Attractive silver gray leaves, white berries. Desirable for mass planting. Used frequently for hedges and windbreaks. Very hardy.

1600	18 to 24 inches	2.50	22.00	200.00
1500	2 to 3 feet	3.50	30.00	250.00
1700	3 to 4 feet	4.50	40.00	350.00

ELDER American, Sambucus canadensis. 8-10 ft.

Hardy, native shrub with white fragrant flowers, June-July, followed by black berries.

300	12 to 18 inches	1.90	16.00	-----
300	18 to 24 inches	2.50	22.00	-----
250	2 to 3 feet	3.50	30.00	-----

Golden American, Sambucus canadensis aurea. 10-12 ft.

Hardy rapid growing shrub with outstanding yellow foliage.

100	18 to 24 inches	2.50	22.00	-----
100	2 to 3 feet	3.50	30.00	-----
100	3 to 4 feet	4.50	40.00	-----

EUONYMUS alatus, Winged Euonymus (Japanese Spindle Tree). 10-12 ft.

Yellow flowers, May-June. Interesting corky bark. Leaves turning brilliant crimson in autumn.

50	12 to 18 inches	4.00	-----
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atropurpureus, Eastern Wahoo. 12-15 ft.

Native, hardy, vigorous shrub or small tree producing an abundance of scarlet berries. Attractive colored foliage in autumn.

100	12 to 18 inches	1.90	16.00	-----
100	2 to 3 feet	3.50	30.00	270.00

ORNAMENTAL SHRUBS—Continued.

EUONYMUS—Continued.

European, europeaus. 12-15 ft.

Dark green foliage with yellow and scarlet fruit in Autumn.

			Per 10	Per 100	Per 1000
160	18 to 24 inches		\$ 2.50	\$ 22.00	\$ -----
250	2 to 3 feet		3.50	30.00	-----
500	3 to 4 feet		4.50	40.00	-----
90	4 to 5 feet		5.50	50.00	-----

yedoensis, Yeddo Euonymus. 12-15 ft.

Large shrub with masses of pink and orange four lobed fruit.

100	18 to 24 inches		2.50	22.00	-----
300	2 to 3 feet		3.50	30.00	-----
70	3 to 4 feet		4.50	40.00	-----

FORSYTHIA, intermedia, Border Forsythia. 8-10 ft.

Vigorous, spreading, bright yellow flowers early in April.

400	12 to 18 inches		1.90	16.00	-----
1250	18 to 24 inches		2.90	25.00	-----
250	2 to 3 feet		4.00	35.00	-----

intermedia spectabilis, Showy Border Forsythia. 8-10 ft.

Improved form of Intermedia. Rich golden yellow flowers.

750	12 to 18 inches		1.90	16.00	140.00
400	18 to 24 inches		2.90	25.00	-----
300	3 to 4 feet		5.00	45.00	-----

suspensa, Weeping Forsythia. 6-8 ft.

Slender pendulous branches. Golden yellow flowers in April.

250	12 to 18 inches		1.90	16.00	-----
200	18 to 24 inches		2.90	25.00	-----
100	3 to 4 feet		5.00	45.00	-----

HAMAMELIS, virginiana, Witchhazel. 12-15 ft.

Succeeds in moist places with partial shade. Yellow flowers late autumn.

100	18 to 24 inches		3.20	28.00	-----
20	2 to 3 feet		4.00	-----	-----

HONEYSUCKLE, Lonicera

bella albida, White Belle Honeysuckle. 10-12 ft.

Very hardy, upright, strong grower. White bloom, red fruit. Makes a splendid tall hedge.

600	18 to 24 inches		2.50	22.00	200.00
1100	2 to 3 feet		3.50	30.00	270.00
500	4 to 5 feet		5.00	45.00	-----

grandiflora rosea, Bride. 12-15 ft.

Flowers bright pink, April-May. One of the best pink upright honeysuckles. Hardy, strong, upright grower.

500	12 to 18 inches		2.00	16.00	120.00
1000	18 to 24 inches		2.50	22.00	200.00
500	2 to 3 feet		3.50	30.00	270.00
120	4 to 5 feet		5.06	45.00	-----

Morrow Honeysuckle, morrowi. 7-8 ft.

Spreading habit, attractive foliage. White flowers, May-June. Red berries.

70	18 to 24 inches		2.90	25.00	-----
160	3 to 4 feet		4.50	40.00	350.00
290	4 to 5 feet		5.00	45.00	-----

Pink Tatarian, tatarica rosea. 10-12 ft.

Hardy, vigorous grower. Pink flowers. April-May, red fruit.

400	12 to 18 inches		2.00	16.00	120.00
2200	18 to 24 inches		2.50	22.00	200.00
1900	2 to 3 feet		3.50	30.00	270.00

ORNAMENTAL SHRUBS—Continued.

HONEYSUCKLE, *Lonicera*—Continued.Red Tatarian, *tatarica rubra*. 8-10 ft.

Very hardy, upright. Flowers April-May, rosy pink. Bright red fruit.

		Per 10	Per 100	Per 1000
700	12 to 18 inches	\$ 2.00	\$ 16.00	\$ 120.00
4400	18 to 24 inches	2.50	22.00	200.00
1000	2 to 3 feet	3.50	30.00	270.00

HONEYSUCKLE (Also see Hedging)

ILEX *verticillata*, Winterberry. 6-8 ft.

Bright red berries which remain until midwinter.

100	9 to 12 inches	1.90	16.00	—
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KERRIA *japonica*, Single Kerria. 4 ft.

Beautiful, single, yellow flowers. June-September. Kills back in winter in this latitude.

180	12 to 18 inches	3.50	28.00	—
70	18 to 24 inches	4.50	40.00	—

Japonica, flore-pleno, Double Kerria. 4 ft.

Similar to above variety with double flowers.

100	12 to 18 inches	3.50	30.00	—
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LILAC, *Syringa*. 12-15 ft.

French Lilacs, Named Varieties.

Valuable, hardy hybrids. Popular on account of attractive flowers of various colors and foliage. Height to fifteen feet according to variety and soil.

12 to 18 inches	3.50	30.00	—
18 to 24 inches	5.00	45.00	—
2 to 3 feet	6.00	55.00	—
3 to 4 feet	8.00	75.00	—

d—Double	s—Single	3/4'	2/3'	18/24"	12/18"
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Alphonse Lavalle, d lilac	—	—	—	—	120
Bleuatre, s bluish lavender	—	—	30	—	—
Chas. X, s reddish purple	—	—	—	160	—
Gen. Pershing, d light blue	—	60	—	40	—
Gloria de Maulins, s pink	—	—	20	—	50
Pres. Lincoln, s blue	—	—	—	—	250

Common Purple, *vulgaris*. 12-18 ft.

Hardy, popular shrub. Blooms freely. Purplish, single lilac flowers in large panicles. April-May.

	Per 10	Per 100	Per 1000
130 9 to 12 inches	\$ 1.40	\$ 12.00	\$ —

Common White, *vulgaris alba*. 12-15 ft.

Hardy, vigorous shrub. Attractive foliage, single white flowers.

90 2 to 3 feet	4.00	35.00	—
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Chinese, *rothomagensis*. 8-10 ft.

Generally grown and sold for Persian lilac. Upright, vigorous grower, reddish purple flowers, April-May. One of the best for general planting on account of its free blooming qualities and hardiness.

	Per 10	Per 100	Per 1000
150 18 to 24 inches	\$ 3.20	\$ 28.00	\$ —
300 2 to 3 feet	4.00	35.00	—
750 3 to 4 feet	5.00	45.00	—

ORNAMENTAL SHRUBS—Continued

LILAC, *Syringa*—Continued.*josikaea*, Hungarian Lilac. 8-10 ft.

Upright grower, attractive dark green foliage, dark violet flowers.				Per 10	Per 100	Per 1000	
80	12 to 18 inches			\$ 2.60	\$ 22.00	\$	-----
130	18 to 24 inches			3.50	30.00		-----
150	2 to 3 feet			4.50	40.00		-----
30	3 to 4 feet			5.50			-----

Persian Purple, *persica*. 8-10 ft.

Spreading habit. Slender arching branches with small leaves. Pale lilac flowers, poor quality. April-May. Rothomangensis superior.

150	2 to 3 feet			4.00	35.00		-----
300	3 to 4 feet			5.00	45.00		-----

rubra de marley, *vulgaris* variety. 10-12 ft.

An improved strain of *vulgaris* lilac, often classed as a hybrid variety, producing a mass of single, rich, reddish purple flowers. Hardy and vigorous grower.

70	12 to 18 inches			2.50	22.00		-----
100	18 to 24 inches			3.20	28.00		-----

villosa, Late Lilac. 8-10 ft.

Bushy, compact grower. Large, attractive leaves, pale pink flowers.

90	9 to 12 inches			1.90	16.00		-----
40	2 to 3 feet			4.50	40.00		-----

PHILADELPHUS, Mockorange

coronarius, Sweet Mockorange. 8-10 ft.

A popular well known, hardy shrub. White, fragrant flowers in May-June.

1100	12 to 18 inches			1.90	16.00	\$ 140.00	
200	18 to 24 inches			2.50	22.00		-----
150	2 to 3 feet			3.50	30.00		-----

lemoinei, Lemoine Mockorange. 4-5 ft.

Semi-dwarf with attractive foliage, producing dense racemes of small fragrant white flowers.

150	12 to 18 inches			2.10	18.00		-----
1000	18 to 24 inches			3.20	28.00	\$ 250.00	

Virginal. 7-8 ft.

Medium grower. Loads down with beautiful fragrant semi-double flowers over a long season, beginning in May.

300	12 to 18 inches			3.20	28.00		-----
150	2 to 3 feet			5.50	50.00		-----

PHYSOCARPUS *opulifolius*, Common Ninebark. 8-10 ft.

Very hardy. White flowers in May-June, followed by attractive brownish-red pods.

100	18 to 24 inches			2.50	22.00		-----
300	2 to 3 feet			3.50	30.00		-----
270	3 to 4 feet			4.50	40.00		-----

Goldleaf Ninebark, *opulifolius luteus (aureus)*. 8-10 ft.

Golden leaved variety producing white flowers in May-June.

430	12 to 18 inches			1.90	16.00		-----
200	18 to 24 inches			2.50	22.00		-----
60	3 to 4 feet			4.50	40.00		-----

opulifolius nana, Dwarf Ninebark. 4-5 ft.

Dwarf form, dense grower. Very attractive foliage and flowers. May-June, followed by numerous small red pods. A valuable, hardy, low growing shrub.

200	12 to 18 inches			1.90	16.00		-----
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PRIVET—*Ligustrum***Amoor North, *amurensis*. 12-15 ft.**

Used extensively. Valuable, hardy, hedge plant with rich attractive foliage.

		Per 10	Per 100	Per 1000
16000	9 to 12 inches, branched	\$ ---	\$ 4.50	\$ 40.00
5000	12 to 18 inches, 2 canes		5.60	50.00
15000	12 to 18 inches, 3 canes		7.00	60.00
8000	18 to 24 inches, 2 canes		7.00	60.00
9000	18 to 24 inches, 3 canes and up		9.00	80.00
1900	2 to 3 feet, 4 canes and up		14.00	120.00

California, *ovalifolium*. 12-15 ft.

An attractive, popular hedge plant where hardy.

6000	12 to 18 inches, 2 canes	4.50	40.00
3000	12 to 18 inches, 3 canes and up	5.60	50.00
4000	18 to 24 inches, 3 canes and up	7.50	65.00
5000	2 to 3 feet, 2 canes	7.50	65.00

Ibolium, Hardy California. 8-10 ft.

Upright, vigorous, with foliage similar to California but much hardier.

4000	12 to 18 inches, 3 canes and up	7.00	60.00
1500	2 to 3 feet, 2 and 3 canes	8.50	75.00

Ibota

Spreading habit. Blooms freely June-July. Attractive black berries.

2400	12 to 18 inches, 3 canes and up	7.00	60.00
3500	18 to 24 inches, 3 canes and up	9.00	80.00
700	2 to 3 feet, 4 canes and up	14.00	---

Regel, *regelianum*. 6-8 ft.

Low growing dense shrub with horizontal, spreading branches. Fine, hardy hedge plant. Grown from cuttings.

750	12 to 18 inches	15.00	120.00
500	18 to 24 inches	25.00	220.00
1000	2 to 2½ feet	32.00	280.00
800	2½ to 3 feet	36.00	320.00

PRUNUS, Ornamental Plums. (See Deciduous Trees.)**RHUS canadensis, Fragrant Sumac. (aromatica). 5-6 ft.**

Aromatic shrub. Small yellowish flowers, April-May followed by red berries.

		Per 10	Per 100	Per 1000
200	12 to 18 inches	\$ 2.40	\$ 20.00	\$ ---
750	18 to 24 inches	2.90	25.00	220.00
580	2 to 3 feet	3.50	30.00	270.00
140	3 to 4 feet	4.50	40.00	---
170	4 to 5 feet	5.00	45.00	---

typhina laciniata, Cutleaf Staghorn Sumac. 20-25 ft.

Rapid grower, attractive, long feathery leaves finely cut.

400	12 to 18 inches	1.90	16.00
100	18 to 24 inches	2.50	22.00

SALIX purpurea, dwarf blue-leaf arctic Willow. 3-4 ft.

Charming low growing Willow; suited for hedges and borders. Hardy.

120	18 to 24 inches	3.20	28.00
350	2 to 2½ feet	3.50	32.00

Pussy, *Salix discolor*. 20-25 ft.

Popular willow on account of catkins in March-April before leaves.

450	12 to 18 inches	1.90	16.00
500	18 to 24 inches	2.50	22.00

SORBARIA sorbifolia, Ural False Spirea. 5-6 ft.

Leaves out very early in the spring, showing very attractive foliage, followed with large, fluffy heads of white flowers, June-July.

120	18 to 24 inches	2.50	22.00
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ORNAMENTAL SHRUBS—Continued

SPIREA Anthony Waterer. 3-4 ft.

Per 10 Per 100 Per 1000

A valuable dwarf shrub, bright red flowers, June-September.

120 9 to 12 inches ----- \$ 1.90 \$ 16.00 \$ -----

Billiard Spirea, billiardi. 5-6 ft.

Bright pink flowers in spikes, July-September.

100	12 to 18 inches	1.90	16.00	-----
400	18 to 24 inches	2.60	22.00	-----
300	2 to 3 feet	3.50	30.00	-----
650	3 to 4 feet	4.40	40.00	350.00

Froebel Spirea. 4 ft.

Vigorous, spreading grower. Bright pink flowers, May-June. Purplish tips in spring. Beautiful autumn colors. Very hardy. Used extensively.

700	12 to 18 inches	2.10	18.00	-----
1600	18 to 24 inches	2.80	25.00	220.00
150	2 to 2½ feet	3.50	30.00	-----

Japanese White, japonica ovalifolia (callosa alba). 3 ft.

Dwarf grower, dark green foliage, free bloomer, white flowers, June-September.

600 9 to 12 inches ----- 1.90 16.00 -----

opulifolius, Ninebark. (See Physocarpus.)**sorbifolia. (See Sorbaria.)****Thunberg, Spirea thunbergi. 3-4 ft.**

Low growing shrub with slender spreading branches. Feathery bright green foliage. Snow-white flowers, April.

240	9 to 12 inches	1.40	12.00	-----
100	12 to 18 inches	1.90	16.00	-----
100	18 to 24 inches	2.90	25.00	220.00

Vanhoutte, Spirea van houttei. 8-10 ft.

Well known, popular shrub. Graceful habit of growth. Sometimes called Bridalwreath. Pure white flowers, April-May. Blooms profusely.

7500	12 to 18 inches	1.70	14.00	120.00
7600	18 to 24 inches	2.10	18.00	160.00
12000	2 to 3 feet	2.90	25.00	220.00
1000	3 to 4 feet	4.00	35.00	-----

SYMPHORICARPOS, Snowberry**chenaulti, Improved Coral Berry. 6-8 ft.**

New, very small leaves; graceful arching branches; pink flowers, red fruit.

100	12 to 18 inches	1.70	14.00	-----
300	18 to 24 inches	2.10	18.00	-----
400	2 to 3 feet	2.80	25.00	220.00
540	3 to 3½ feet	3.50	30.00	270.00

racemosus, Common Snowberry. 6-7 ft.

Attractive green foliage, pink flowers, June-July. Large white fruit in clusters in autumn.

1100	12 to 18 inches	1.70	14.00	120.00
800	18 to 24 inches	2.10	18.00	-----
190	3 to 4 feet	3.50	30.00	-----

vulgaris, Coralberry (Red Snowberry). 4-5 ft.

Hardy native shrub. Succeeds everywhere. Coral red berries in autumn and winter.

600	12 to 18 inches	1.70	14.00	120.00
2650	18 to 24 inches	2.25	18.00	160.00
1700	2 to 3 feet	2.80	25.00	220.00
400	3 to 4 feet	3.50	30.00	-----

ORNAMENTAL SHRUBS—Continued

SUMAC. (See *Rhus*)

TAMARIX

		Per 10	Per 100	Per 1000
Grown chiefly for its fine, graceful foliage and showy panicles of flowers.				
12 to 18 inches		\$ 1.90	\$ 16.00	\$ -----
18 to 24 inches		2.50	22.00	-----
2 to 3 feet		3.50	30.00	-----
3 to 4 feet		4.50	40.00	-----
4 to 5 feet		5.50	50.00	-----

SILVER FOLIAGE VARIETIES

	4-5'	3-4'	2-3'	18-24"	12-18"
Amurensis	50	50	-----	-----	90
Hispida	200	300	400	400	190
Odessana	-----	200	250	250	300

GREEN FOLIAGE VARIETIES

	4-5'	3-4'	2-3'	18-24"	12-18"
Africana	150	550	350	550	600
Gallica Indica	90	90	240	240	300
Tetandra Purpurea	100	400	600	600	700

VIBURNUM *dentatum*, Arrowhead. 10-12 ft.

Attractive foliage, white flowers, April-May, followed by bluish-black fruit.

	Per 10	Per 100	Per 1000
150 18 to 24 inches	\$ 2.60	\$ 22.00	\$ -----

Lantana, Wayfaring Tree. 10-15 ft.

Upright. Attractive deep green leaves, single white flowers, May. Bright red fruit changing to black.

60 18 to 24 inches	2.50	22.00	-----
150 2 to 3 feet	3.50	30.00	-----

Ilex *lentago*, Nannyberry. 18-20 ft.

Large growing upright shrub or small tree. Single white flowers in May. Shining green leaves. Large blue-black fruit.

200 3 to 4 feet	4.50	40.00	-----
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Ilex *opulus*, European Cranberrybush (Highbush Cranberry). 10-12 ft.

Well known hardy shrub, single white flowers in April-May, followed by scarlet fruit hanging on until spring.

500 9 to 12 inches	1.90	16.00	-----
1100 12 to 18 inches	2.50	22.00	-----

Ilex *opulus sterilis*, Common Snowball. 10-12 ft.

Popular shrub. Blooms profusely. Large double white flowers. April-May.

400 9 to 12 inches	2.10	18.00	-----
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VITEX *macrophylla*, Big-Leaved Chaste Tree. 5-6 ft.

Semi-dwarf flowers of lavender-blue. Semi-hardy.

60 12 to 18 inches	3.20	28.00	-----
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HEDGING

Lighter stock than regular grade of shrubs; good hedging grades.

BARBERRY, *Berberis thunbergi*, Japanese Barberry.

	Per 100	Per 1000
15000 6 to 9 inches	\$ 2.90	\$ 25.00
10000 9 to 12 inches, 1 year seedlings	5.00	45.00
1500 12 to 18 inches, 2 year seedlings, branched	10.00	85.00
1600 18 to 24 inches, 2 year seedlings, branched	14.00	120.00
4000 2 to 3 feet, 2 year seedlings, branched	18.00	150.00
9100 12 to 15 inches, transplanted, 2 year branched, bushy	15.00	-----

CARAGANA *arborescens* (See Deciduous Tree Seedlings).

ELM CHINESE. (See Deciduous Tree Seedlings).

HEDGING—Continued.

HONEYSUCKLE, *Lonicera*, upright hardy varieties.

Tatarian, Pink, Red, White.		Per 100	Per 1000
1500 18 to 24 inches		\$18.00	\$140.00

PRIVET. (See Shrubs.)**RUSSIAN OLIVE, *Elaeagnus angustifolia*.**

3000	6 to 12 inches	2.10	18.00
6000	12 to 18 inches	3.20	28.00
5000	18 to 24 inches	4.50	40.00
11000	2 to 3 feet	6.50	60.00
2000	3 to 4 feet	10.00	85.00

SPIREA Vanhoutte.

5000	10 to 15 inches	7.00	60.00
6000	12 to 18 inches	9.00	80.00
7000	18 to 24 inches	12.00	100.00
4000	2 to 3 feet	16.00	140.00

VINES

Tied, 2-year Medium, 25; 2-year No. 1, 10; 3-year, 10 per bundle.

AMPELOPSIS, Boston Ivy, *Parthenocissus tricuspidata (veitchi)*. 30-40 ft.

Beautiful foliage in spring and summer changing to crimson-scarlet in autumn. Clings to brick, stone or concrete walls. Succeeds best in this latitude on north or east side.

	Per 10	Per 100	Per 1000
5100 2 year Medium	\$ 2.90	\$ 25.00	\$220.00
4600 2 year No. 1	3.50	30.00	270.00
1600 3 year No. 1	4.50	40.00	—

Engelmann Creeper, *engelmanni*. 30-40ft.

A good hardy, clinging vine with smaller leaves than Virginia Creeper. More brilliant coloring in autumn.

300 2 year Medium	1.90	16.00	—
200 2 year No. 1	2.40	20.00	—

Virginia Creeper, *quinquefolia*. 30-40 ft.

A rapid growing, hardy vine suitable for covering trellises, stone walls and verandas.

700 2 year Medium	1.90	16.00	140.00
600 2 year No. 1	2.40	20.00	180.00

BIGNONIA, (*Campsis*) *radicans*, Trumpet Vine. 20-30 ft.

Upright growing vine. Trumpet shaped, scarlet flowers. July-August.

300 2 year Medium	1.90	16.00	—
350 2 year No. 1	2.50	22.00	—

CELASTRUS, *orbiculatus*, Oriental Bittersweet. 20-25 ft.

Rapid growing, twining vine. Bright orange berries with scarlet seeds in autumn, hanging on late.

300 2 year Medium	2.10	18.00	—
200 2 year No. 1	2.90	25.00	—

scandens, American Bittersweet. 20-25 ft.

Hardy vine producing bunches of red berries retaining their color a long period and popular for cutting and hanging in the home.

200 2 year Medium	2.10	18.00	—
250 2 year No. 1	2.90	25.00	—

CLEMATIS Crispa, Curly Clematis. 3-4 ft.

A slender vine with purplish flowers. Fragrant.

200 2 year No. 1	3.20	28.00	—
paniculata, Sweet Autumn Clematis. 20-30 ft.			

A valuable climber literally covered with white fragrant flowers in Sept.

500 2 year Medium	3.20	28.00	—
1900 2 year No. 1	4.00	35.00	—
1000 3 year No. 1	4.50	40.00	—

VINES—Continued.

CLEMATIS—Continued.

texensis, Scarlet Clematis (coccinea). 5-6 ft.	Per 10	Per 100	Per 1000
Large, bell shaped scarlet flowers. Attractive foliage.			
190 2 year No. 1	\$ 3.20	\$ 28.00	\$

virginiana, Virgin Bower Clematis. 20-30 ft.

Finely, cut-toothed foliage. A good climber or ground cover producing white flowers in panicles.			
1500 2 year Medium	2.90	25.00	220.00
500 2 year No. 1	3.50	30.00	.....

HEDERA helix, English Ivy.

Semi-hardy evergreen vine. Best in shady locations. Needs protection.			
200 2½ inch pot plants	1.40	12.00	.....

HONEYSCUCKLE**Hall's Japan, japonica halleana.** 20-25 ft.

Rapid growing vine with beautiful foliage. Delightfully fragrant, creamy white flowers. Makes a fine hedge or covering for caves or unsightly places.			
500 2 year Medium	1.70	14.00	120.00
6000 2 year No. 1	2.10	18.00	150.00
2000 3 year No. 1	2.40	20.00	180.00

Scarlet Trumpet Honeysuckle, sempervirens. 20-30 ft.

Upright grower. Dark green foliage. Long tubular scarlet flowers.			
800 2 year Medium	2.10	18.00	.....
600 2 year No. 1	2.50	22.00	.....
140 3 year No. 1	3.20	28.00	.....

POLYGONUM auberti, Silvervine Fleeceflower. 25-30 ft.

Rapid growing climber producing throughout summer and fall large foamy sprays of creamy white flowers.			
1100 2 year Medium	2.90	25.00	.....
2600 2 year No. 1	3.50	30.00	.....

reynoutria

Light green foliage, turns brilliant in fall. One of the finest ground covers. Thrives best in full sunlight; hovers 4 to 12 inches from soil. Blooms in fall; fragrant, airy pink sprays similar to Silver Lace Vine. Deep red buds, foliage brilliant red in fall.			
100 2 year Medium	2.90	25.00	.....
100 2 year No. 1	3.50	30.00	.....

WISTERIA, American frutescens. 20-25 ft.

Tall, vigorous climber. Lilac purple flowers, June-July.

120 2 year No. 1, grown from blooming wood	2.90	25.00	.....
150 3 year No. 1, grown from blooming wood	3.50	30.00	.....

EVERGREENS

Due to shortage of labor, we are not now accepting orders for assorted Evergreens. When earlier orders are shipped we may then have stock to offer.

As we have several blocks of Black Hills Spruce that should be moved, we are offering the following grades, splendid, well furnished trees, for shipment this spring:

CANADENSIS ALBERTIANA, Black Hills Spruce. 40-50 ft.

Hardest of all Spruces. Symmetrical, compact and bushy habit of growth. Foliage varies from green to bluish tint.

	Per 10	Per 100
15 to 18 inches	\$ 14.00	\$ 125.00
18 to 24 inches	16.50	150.00
2 to 2½ feet	22.50	200.00
2½ to 3 feet	27.50	250.00
3 to 3½ feet	35.00	325.00
3½ to 4 feet	42.50	400.00
4 to 5 feet	50.00	.....

ROSES

HYBRID TEA AND EVERBLOOMING CALIFORNIA GROWN

We offer a splendid assortment of leading varieties in a good grade of No. 2. Mail your orders promptly, giving us your variety selections, and we will fill as closely as possible.

These No. 2 Roses are graded mostly 2 canes, 8 inches and up, and are well rooted. Tied in bundles of 25 of each variety—we cannot break bundles.

Regret we are sold out of No. 1½ and larger grades.

	Per 25	Per 100
No. 2, Good Grade.	\$8.75	\$30.00

BABY ROSES—Dwarf Polyantha and Floribunda

	Per 10	Per 100
No. 1	\$6.50	\$60.00
No. 1½	5.00	45.00
No. 2	3.50	30.00
No. XX Heavy	7.50	70.00

No. 1 No. 1½ No. 2 XX

Cameo , a distinct shade of shell-pink and salmon, with a glow of gold	---	400	---
Catherine Zeimet , double, pure white, fragrant, in large clusters	---	100	---
Edith Cavell , brilliant, scarlet, overlaid velvety crimson	60	220	250
Ellen Poulsen , double, bright rose-pink, fragrant	---	130	---
Else Poulsen , bright, rose-pink, semi-double, lasting	400	600	---
Eutin , large clusters of very double, deep red flowers on a vigorous mildew resistant bush	---	480	750
Gloria Mundi , large, fully double, lasting, orange-scarlet, borne in clusters	---	680	---
Golden Salmon , bright orange-salmon. Fine for mass planting, blooms continually	---	500	---
Golden Salmon Superior , an improvement on Golden Salmon	300	160	---
Ideal , dark scarlet, borne in profusion. Immense compact bunches.	100	460	---
Kirsten Poulsen , bright scarlet in clusters on long stems.	300	---	---
Lafayette Improved , large clusters of bright cherry-crimson.	150	800	100
Orange Triumph , salmon-red with orange shadings, blooming in enormous clusters.	500	450	100
Pink Gruss an Aachen , deep salmon rose colored sport of Gruss an Aachen	---	650	---
Poulsen's Yellow , bud copper, yellow flowers semi-double, intensely fragrant	700	100	280
Sparkler , a fine, cluster-flowered type, brilliant red flowers.	300	420	280
Triomphe Orleanais , large clusters of cherry-red.	300	200	850
			100

PATENTED HYBRID TEA ROSES

We now offer the following varieties of patented Hybrid Tea Roses, California grown plants, available for immediate shipment.

These are offered under license from patentee, and it is understood and agreed that they are FOR SALE AT RETAIL ONLY, at retail prices specified, 10 to 20 at 10 rates, 20 to 250 at 100 rates. Prices are NET.

Per 10 Per 100

300	Douglas MacArthur , Patent No. 581. (Retails \$1.50 each; \$15.00 per doz.) Bud large, long-pointed; flower large and double, full, high-centered and lasting. Delft rose, slightly bronze at base of petals. Continuous bloomer.	\$ 9.00	\$ 75.00
100	Lowell Thomas , Patent No. 595. (Retails \$2.00 each; \$20.00 per doz.) Bud large, long-pointed; flower large, very double (35 to 40 petals), high-centered, lasting, clear canary-yellow, on strong stem. Vigorous, compact, bushy plants; upright, intermittent bloomer. A.A.R.S. award for 1944.	11.00	100.00
800	Mirandy , Patent No. 632. (Retails \$2.00 each; \$20.00 per doz.) First place winner of All-American rose competition for 1945. A strong free-branching plant producing large, long-pointed ovoid buds of rich dark red with black shadings, opening to Chrysanthemum Red. The flower of 50 petals displays new beauties of form and is long lasting. Marvelously fragrant.	11.00	100.00
800	Peace , Patent No. 591. (Retails \$2.50 each; \$25.00 per doz.) Ovoid buds and golden yellow etched with pink, as they open, color changes from canary-yellow, to pale golden, to iridescent cream. Petals are edged with apple-blossom-pink that deepens as the flower slowly opens to glorious 5-inch blooms. A.A.R.S. award for 1946.	13.50	125.00
500	Pearl Harbor , Patent No. 637. (Retails \$1.50 each; \$15.00 per doz.) Light poppy-pink, reverse China rose on long stem. Bud large, long-pointed; flower exceptionally large, double and high-centered.	9.00	75.00
100	Rubaiyat , Patent rights reserved. (Retails \$2.00 each; \$20.00 per doz.) A McGredy origination. The tall free blooming plant produces an abundance of long, pointed, attractive buds on strong up-right stems, that slowly open into a very large bloom of rose-red to crimson color in the heart of the half-open flower accentuated by the reverse of the petals which are several shades lighter. A.A.R.S. award for 1947.	11.00	100.00
300	Shades of Autumn , Patent No. 542. (Retails \$1.75 each; \$18.00 per doz.) A Brownell Sub-Zero Hybrid Tea producing an abundant and joyous expression of bi-colored beauty.	10.00	85.00
150	Texas Centennial , Patent No. 162. (Retails \$1.25 each; \$12.50 per doz.) Hoover sport. Bright vermillion red with light tone of gold at base. Petals lighter red at center, gradually toning to deep rich pink as the bloom ages.	7.50	65.00
100	Will Rogers , Patent No. 256. (Retails \$1.25 each; \$12.50 per doz.) Dark velvety-crimson maroon, double, free bloomer. Strong vigorous dark green foliage.	7.50	65.00

PATENTED FLORIBUNDA

Per 10 Per 100

150	Betty Prior , Patent No. 340. (Retails \$1.00 each; \$10.00 per doz.) Produces large fragrant clusters continuously throughout the season. Opens lively red turning to shell pink. Desirable for mass planting.	\$ 7.00	\$ 65.00
100	Cheer , (Patent applied for.) (Retail \$1.25 each; \$12.50 per doz.) Ovoid, orange-pink with large blooms about four inches, opening gracefully in large clusters. Vigorous, prolific.	7.50	65.00
100	Donald Prior , Patent No. 377. (Retails \$1.00 each; \$10.00 per doz.) The large flowers are semi-double bright scarlet, flushed crimson, fragrant. Free flowering. One of the most striking colors of Floribunda group.	7.00	65.00

ROSES—(Continued)

RUGOSA, HYBRIDS AND MISCELLANEOUS

	Mostly Own Roots	Per 10	Per 100	Per 1000
Belle Poitevine , bright pink in clusters, everblooming.				
20 2 to 3 feet	\$ 5.50	\$	\$	\$
600 18 to 24 inches	4.50	40.00		
500 12 to 18 inches	3.50	30.00		
400 9 to 12 inches	2.50	22.00		
Blanda , soft pink flowers borne in clusters.				
130 3 to 4 feet	5.50	50.00		
280 2 to 3 feet	4.50	40.00		
100 18 to 24 inches	3.50	30.00		
Carolina , bright rose-pink flowers borne singly in clusters.				
140 2 to 3 feet	4.50	40.00		
400 18 to 24 inches	3.50	30.00		
220 12 to 18 inches	2.50	22.00		
F. J. Grootendorst , small bright red flowers in clusters.				
700 2 to 3 feet	6.50	60.00		
2000 18 to 24 inches	5.50	50.00	450.00	
3100 12 to 18 inches	4.50	40.00	350.00	
800 9 to 12 inches	3.50	30.00	250.00	
Grootendorst Pink , charming pink variety of Grootendorst.				
100 2 to 3 feet	6.50	60.00		
300 18 to 24 inches	5.50	50.00		
1500 12 to 18 inches	4.50	40.00	350.00	
Grootendorst Supreme , sport of F. J. Grootendorst with deeper crimson-red longer-lasting flowers than its parent.				
200 12 to 18 inches	4.50	40.00		
Hansa , double reddish flowers of large size.				
500 12 to 18 inches	3.50	30.00		
Harrison's Yellow , semi-double, moderately fragrant, bright yellow.				
100 2 to 3 feet	6.50	60.00		
60 18 to 24 inches	5.50	50.00		
Hugonis , light yellow flowers borne profusely along the branches. Very hardy, blooms very early.				
170 4 to 5 feet	8.00	75.00		
100 3 to 4 feet	7.00	65.00		
1400 12 to 18 inches	4.50	40.00	350.00	
Nitida , deep pink flowers, extremely hardy.				
110 18 to 24 inches	5.00	45.00		
200 12 to 18 inches	3.50	30.00		
Rugosa Alba , splendid foliage with single white blooms.				
130 2 to 3 feet	6.50	60.00		
1000 18 to 24 inches	5.00	45.00	400.00	
1000 12 to 18 inches	3.50	30.00	250.00	
Rugosa Rubra , large single flowers of various shades of pink, magenta, and rosy crimson, blooms early.				
50 2 to 3 feet	5.50	50.00	450.00	
250 18 to 24 inches	4.50	40.00	350.00	
250 12 to 18 inches	3.50	30.00	250.00	
Setigera , bright pink flowers, big clusters, blooms late.				
270 2 to 3 feet	3.20	28.00		
560 18 to 24 inches	2.50	22.00		
270 12 to 18 inches	1.90	16.00		

Our Rose storage is air conditioned with temperature and humidity thermostatically controlled—the most modern refrigeration and air conditioning equipment available.

ROSES—(Continued)

CLIMBERS AND RAMBLERS

Our Climbing Roses are mostly California grown, own roots. They are well furnished plants, well graded and we are confident they will please.

		Per 10	Per 100	Per 1000
American Pillar , single rose pink, white center, vigorous.				
100 No. 1½		\$4.00	\$ 35.00	\$ -----
Climbing American Beauty , flowers rich red to Crimson.				
300 No. 1	5.50	50.00		
6400 No. 1½	4.50	40.00	350.00	
2900 No. 2	3.50	30.00	250.00	
Dorothy Perkins , soft shell pink flowers.				
800 No. 1½	3.50	30.00	270.00	
300 No. 2	2.50	22.00	200.00	
Dr. Van Fleet , pale pink buds and flowers on long stems.				
300 No. 1½	4.50	40.00		
1000 No. 2	3.50	30.00	250.00	
Excelsa , double scarlet crimson blooms.				
300 No. 1	4.50	40.00		
1000 No. 1½	3.50	30.00	270.00	
600 No. 2	2.50	22.00	200.00	
Excelsa Pillar , strong growing pillar type, double scarlet crimson blooms. Hardy as the common Excelsa.				
300 No. 1	4.50	40.00		
170 No. 1½	3.50	30.00		
140 No. 2	2.40	20.00		
Paul's Scarlet , intense scarlet flowers of excellent shape and good size, borne in clusters.				
8400 No. 1½	4.50	40.00	350.00	
7000 No. 2	3.50	30.00	250.00	
Royal Scarlet , similar to Paul's Scarlet but smaller and deeper red. in color.				
700 No. 1½	4.50	40.00		
500 No. 2	3.50	30.00		
Seven Sisters , double, deep pink, borne in large clusters.				
400 No. 1	4.50	40.00		
900 No. 1½	3.50	30.00		
480 No. 2	2.50	22.00		
White Dorothy , small double flowers, creamy white in great clusters.				
1700 No. 1	4.50	40.00	350.00	
1200 No. 1½	3.50	30.00	270.00	
500 No. 2	2.50	22.00	200.00	
Wichuriana (Memorial Rose) , Clusters of white flowers, trailing habit, glossy leaves, fine ground cover.				
750 No. 1	3.50	30.00		
2200 No. 1½	2.50	22.00		
1800 No. 2	1.80	15.00		

Our Rose storage is air conditioned with temperature and humidity thermostatically controlled—the most modern refrigeration and air conditioning equipment available.

PERENNIALS

We are one of the largest growers of Hardy Perennials and Rock Garden Plants in the United States, devoting approximately 100 Acres of overhead irrigation system for the specialized production of this type of plant.

Our variety list is complete. Many new varieties are being included in this list—while we have many other varieties in the course of testing for future introduction. Our plants are, except as specified, field grown and properly transplanted to give necessary root development for high class landscape planting.

All perennials should be shipped by Express. They are very perishable, and should not be included in a freight shipment.

RG means adaptability for Rock Garden planting.

* Indicates New and Novelty varieties. These have all been thoroughly tested, and we can recommend them very highly.

ALYSSUM, Rock Madwort (RG)

Per 10 Per 100

Saxatile Citrinum. Same habit of growth as <i>Saxatile Compactum</i> , but more desirable. Flowers lovely pale yellow. Outstanding in the spring garden or rockery.	\$ 1.80	\$15.00
Saxatile Compactum (Basket of Gold). Masses of bright yellow flowers. Sprawling habit. 10 in. May.	1.40	12.00

AMSONIA

Blue Star of Texas. Here is the true, original Star of Texas. A soundly, hardy, graceful shade tolerant perennial with big panicle of the blue star flowers.	1.40	12.00
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ANCHUSA, Bugloss

Myosotidiflora (RG). Dwarf. Clusters of Gentian blue forget-me-not like flowers. 12 in. May-June.	1.80	15.00
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ANEMONE, Windflower (RG)

Pulsatilla. Violet. 12 in. April-May.	2.00	18.00
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AQUILEGIA, Columbine. May-June. (RG)

Canadensis. Reddish, orange flowers. May-June. 18 inches.	1.40	12.00
Copper Queen. Lovely deep copper with long spurs of deeper hue, inside of the corolla buff.	1.80	15.00
Crimson Star Longissima —New Improved Crimson Star. Large flowers of the most striking crimson with white corolla. Blooms in May and June. 24 in.	1.80	15.00
Dobbies Imperial Hybrids. Fine, wide assortment of colors, very sturdy, of great size. A recent English triumph.	1.20	10.00
Long Spurred Blue Shades —Extra long spurs.	1.40	12.00
Long Spurred Rose Queen. Rose shades.	1.40	12.00
Long Spurred Snow Queen —Extra long spurs.	1.40	12.00
Mrs. Scott Elliott's Long Spurred Hybrids. Finest of all long-spurred mixtures, striking colors and combinations. 3 ft.	1.20	10.00

ARMERIA.

Formosa Hybrids. Shades of rose and pink. Good sized flowers on stems 2 ft. high.	1.50
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ARTEMESIA, Wormwood (RG)

Silver King. Silver white, color effect frosted silver. Beautiful in combinations.	2.10	18.00
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PERENNIALS—Continued

ASTERS

DWARF VARIETIES (RG)

Profuse bloomers, truly dwarf, rarely exceeding one foot in height, and perfectly hardy. Blooms in September.

Lilac Time. Deep violet-blue flowers are produced on well rounded bushy plants growing to a height of 15 in. Blooms mid-September.-----

Per 10

Per 100

\$1.40 \$12.00

Nancy. Lively flesh-pink flowers literally cover this dwarf bushy plant in late September. 1 ft.-----

1.40 12.00

Snowsprite. Cushions of pure white flowers. Dwarf, compact and bushy. Sept. Height, 1 ft.-----

1.40 12.00

Victor. The dwarfest of all, growing 9 inches tall, covered with good sized flowers of beautiful, clear lavender blue. Blooms early September.-----

1.40 12.00

UPRIGHT TYPES. Starwort or Michaelmas Daisy.

The following varieties of Upright Asters are new and improved varieties. Very large in bloom and extremely colorful.

* **Adorable.** Deeper, clearer pink, very rare in fall flowers. Small, reddish rosette-like buds. Clean dark green foliage. Height 4 to 4½ ft. Blooms September to frost. (2-in. Pots)-----

1.80 15.00

* **Beechwood Challenger.** The nearest approach to red so far in Hardy Asters. Free-flowering medium height, about 3½ ft. Early fall. Profuse bloomer with brilliant crimson-red flowers.-----

1.80 15.00

Blue Boy. Low growing, deep blue flowers.-----

1.80 15.00

* **Blue Cloud.** Rounded, upright clumps of fluffy green foliage, covered with single soft lavender-blue, yellow centered flowers. 3 ft.-----

1.80 15.00

Blue Gem. Large lovely flowers of blue with a yellow center, double flowers. Best blue in cultivation. September until frost. 3 to 4 ft.-----

1.40 12.00

* **Blue Lagoon.** A new variety of the Novi-Belgii type blue flowers, quiet, lovely.

2.10 18.00

Feltham Blue. One of the best and showiest, with large, pyramidal spikes of large light lavender-blue flowers.-----

1.40 12.00

* **Harrington's Pink.** The first Hardy Aster that is truly pink. Flowers are large and cover the 4-foot plant so completely that it seems a shame to cut them, but the blooms will be welcome in the house. (2-in. Pots)-----

1.80 15.00

Mt. Everest. Finest and best white. Very tall, well shaped, pointed pyramids, with an abundance of lateral growths, which flower right down to the ground. Very small eye. 3 to 4 ft.-----

1.80 15.00

Mt. Ranier. Pure white flowers with yellow discs. A most satisfactory variety for "separating" the other colors. It is an excellent plant to help create fine fall effects. Upright.-----

1.80 15.00

* **Palmyra.** The best pink of the Novi-Belgii type. A very hardy vigorous growing aster with masses of semi-double pure pink flowers which make perfect pyramids on sturdy stems in mid-Sept. to frost. 3 to 4 feet.-----

1.80 15.00

Royal Blue. Large, semi-double, clear blue. 2½ ft. September.-----

1.40 12.00

Strawberries & Cream. A lovely color combination of deep pink flowers with softer pink of new bloom. End of Sept. 4 feet.-----

1.80 15.00

Sunset. A glorious sunset pink. Good habit and extremely free flowering. One of the best new pink sorts. Grows about 36 inches tall.-----

1.80 15.00

BOLTONIA, False Chamomile.

Latisquama. Pink, aster-like flowers. September. 4 ft.-----

1.20 10.00

BUDDLEIA, Butterfly Bush, (See Shrubs).

* **CALLIRHOE INVOLUCRATA, (Poppy Mallow.)** Trailing plant, finely divided foliage, large, saucer-shaped flowers of bright rosy crimson, white centers. Blooms all Summer and Fall.-----

1.40 12.00

CAMPANULA, Bellflower.

Calycanthema (Cup and Saucer.) In separate colors, Blue, Rose and White. Tall, erect plants covered with large cup and saucer shaped flowers during late May and June. A perfect plant for the old fashioned, hardy garden.-----

1.40 12.00

Medium (Canterbury Bells). In separate colors, Blue, and Rose. June. 2 ft.-----

1.40 12.00

CATANANCHE COERULEA, Blue. Heads of pretty, deep blue flowers on long stems. Profuse, excellent cut flowers on 18 inch stems. July, August and September. A fine border plant.-----

1.80 15.00

PERENNIALS—Continued

CHrysanthemums

Dormant stock in strong 1 year field grown plants will be supplied on Fall shipment orders. Well finished 2½ inch Pot Plants on some of the newer varieties will be supplied on Spring Orders.

CUSHION Chrysanthemums. Sometimes called "Million Mums." Per 10 Per 100

A group of lowing Chrysanthemums, forming mounds of blooms, reminding one of the old-fashioned Azalea. The plants grow about 10 or 12 inches high. Our stock is of improved strains. Most varieties begin blooming late August and bloom until frost.

Bronze Cushion. As the flowers first open, they are a warm, rich red bronze, then turning to a bronzy yellow with a light red center. Later, lighten to a beautiful golden bronze shade.-----

\$1.80 \$15.00

Pink Cushion. Flowers open to a deep, orchid-pink, then change to a light orchid with a creamy center, finally salmon-pink with a soft yellow center.

Has a record of 3,000 flowers the first year per plant. Very hardy.-----

1.40 12.00

Red Cushion. Pure fiery red. Multitude of beautiful 2 to 2½ in. flowers.-----

1.80 15.00

White Cushion. Snow white flowers with a faint yellow center.-----

1.80 15.00

Yellow Cushion. Pure golden yellow, very brilliant. Develops into large dense clumps, often measuring 24 to 30 inches across. Produces hundreds of strikingly beautiful flowers. Flowering the first of October. (2-in. Pots)-----

1.80 15.00

UPRIGHT CUT FLOWER VARIETIES

These are the Chrysanthemums which you grow in your garden. Suitable for cut flower purposes. Flowers are large and all up-right stems. We guarantee the following varieties to be all early bloomers under normal conditions and to bloom either in September or early October.

Algonquin. (Bristol) Fine, brilliant, double yellow. Mid-September. 18 inches.-----

1.80 15.00

* **Amber Glow.** A 2½ inch flower of soft salmon or peach pink. Flowers very profusely. Blooms October 5.-----

1.80 15.00

* **Avalanche.** Large well formed double white flowers in great quantities. A beautiful white chrysanthemum. 2½ to 3 ft. Late Sept.-----

2.10 18.00

Burgundy (Bristol). Rich deep red of fine, old wine. Fully double, perfect form. Early October. 2½ ft.-----

1.80 15.00

Capt. R. H. Cook. Clear, deep rose colored petals tipped with golden bronze. A dependable variety. 4 ft. Late Oct.-----

1.80 15.00

Dean Kay Pink. Produces a great abundance of excellent rose-pink flowers in a profuse mass. Perfectly hardy. Grows 2 to 2½ ft.-----

1.80 15.00

Early Bronze. A remarkably early flowering PomPom. Its flowers of beautiful orange-bronze in full glory in September.-----

1.80 15.00

Eugene A. Wander. A big, brilliant glistening golden yellow beauty, flowering so freely that the stocky plant is almost obscured by its branching clusters of big double flowers. 18 in. Is in flower by September 20th. (2-in. Pots)-----

1.80 15.00

Eureka Giant. A beautiful, large, semi-double, light orange-bronze flower. Grows 2½ to 3 ft. tall and very hardy.-----

1.80 15.00

Gobin. Two-inch blooms of a warm bronze, shading to sparkling gold when open. Uniquely distinct. 2 ft. Mid-October.-----

1.80 15.00

Indian Summer. A vivid, glowing orange flower 3 inches across. Growth is distinct erect, and sturdy. Height 2 to 2½ ft. In full bloom Oct. 15th.-----

2.10 18.00

Jean Treadway. Softest pink with distinct rose center. Perfectly formed, very double flower, over 3 inches across. Medium height, bushy habit, in full bloom late Sept.-----

1.80 15.00

King Midas. The plants are literally covered with flowers over a long period from late Sept. throughout Oct. The flowers average 4 inches across, very double, a charming shade of soft yellow with the faintest bronze shadings. Very branched. 2½ ft.-----

1.80 15.00

Lavender Lady, a lovely true lavender, no trace of mauve. Very double and free-flowering. (2-in. Pots).-----

1.80 15.00

* **Lavender Lassie.** With many graceful sprays of dainty blossoms in about the same shade of Lavender-pink. Enchanting in the foreground of border plantings. From Sept. until freezing. The 2½ ft. plant is a mass of 2 to 3 inch pom poms. (2-in. Pots.)-----

2.10 18.00

Leda. A large heliotrope pink, beautiful rolled petals, fast multiplier. Sept.-----

1.80 15.00

* **Little Eskimo.** Pure white, ball-shaped flowers 1½ inches in diameter that do not fade to pink. Are produced abundantly in August and September.-----

1.80 15.00

Mrs. P. S. DuPont. The dominant shade is a soft peach tint, blended with mauve undertones, the whole overcast with an indescribable luminous sheen. The large full, perfectly formed flowers are carried on tall, branching stems. 2½ ft. In full flower Oct. (2-in. Pots).-----

1.80 15.00

PERENNIALS—Continued

CHrysanthemums—Upright Cut Flower Varieties—Continued.

Per 10

My Lady. Fully double, very large, beautiful orange-yellow flowers in Aug. until frost. 1½ to 2 ft.	\$1.80	\$15.00
* Orchid Jewell. Small, compact sprays of light orchid pink flowers on 24-inch stems.	1.80	15.00
Pygmy Gold. A distinct, fine Pom Pom type. The color is a clear golden yellow, remarkable for its brilliance and intensity. It flowers in early September.	1.80	15.00
* Red Velvet. Rich velvety crimson with glowing sheen. Shapely, fully double medium sized 3 to 3½ inch blooms on sturdy stems. Radiant bloom early in October.	2.10	18.00
Rose Glow. Lovely raspberry, rose-pink blossoms in glorious profusion from September on. Husky strong 2 ft. plant.	1.80	15.00
* September Bronze. Shapely little Pom Pom blossoms, shading from golden bronze to intense warm bronze, simply cover the plant from mid-September on through into November or killing frost.	2.10	18.00
* September Cloud. Beautifully rounded blossoms, purest white with primrose shading in center. Wonderfully dark green contrasting foliage. Nicely rounded compact plant completely covered with flowers from Mid-September till frost.	2.10	18.00
Silver Moon. Flowers of gleaming white. A fine lusty 2½ ft. plant producing flowers from September on.	1.80	15.00
Spoon Golden. The flowers are large in the regular order; the color is a clear gold-tone, well away from the clear yellow in Yellow Spoon.	1.80	15.00
Spoon Jasper. The color is a bright bronze-red overtone, mantled on a brilliant gold relief that is the principal color effect.	1.80	15.00
Spoon Orchid. The flowers of the popular spoon form are a clear orchid color and of generous size. One of the most interesting of this group.	1.80	15.00
Spoon Rose. It may easily be termed an extremely interesting plant novelty. The color is a shining rose that defies description.	1.80	15.00
Symphony. Mauve-rose, overcast soft coppery rose, with the sheen of Damask. The flower in maturing acquires silvery lilac and faint copper tones, very lovely but elusive and impossible to describe. The flowers are large, 3 inches, double, nicely formed, and carried on heavy, sturdy stems, several to a spray. 2½ to 3 ft. (2-in. Pots).	1.80	15.00
* Tiger. Large full crimson with rolled petals. After the crimson bloom is out a while it changes through all shades of bronze to bright yellow, making several color shades on same bush. Aug.-Sept. (2-in. Pots).	2.10	18.00
White Gull. This variety is distinctly of the cushion type in growth but the flowers which are pure white are more of pom pom shape.	1.80	15.00
White Jewell. Upright, sturdy, with abundant white jewell-shaped flowers.	1.80	15.00
* White Knight. A clean, clear-white symmetrically shaggy flower. The largest double white, it appears on a loose upright bush. Flowers are early, starting in Mid-Sept.	2.10	18.00

CHrysanthemum Maximum, Shasta Daisy

Alaska. Large white flowers, June to August. 2 ft.	1.20	10.00
Diener's Double White. Recent development of full, shaggy double flowers of glistening white. Hardy, robust grower. Early. 2½ to 3 ft.	1.80	15.00
* Deiners G. Marconi. New giant double, ever flowering.	1.80	15.00
Lothian Bell Strain. This magnificent white daisy is undoubtedly the largest flowered of its class. Flowers frequently measure 6 inches across with very broad petals of great substance. 2½ to 3 ft.	1.40	12.00
* Timpanogii. New Broad Petaled 8 in. Long stems, flowers 8 inches in diameter—early flowering.	1.80	15.00

COREOPSIS, Tickseed.

Double Sunburst. Double flowers, golden-yellow. Blooms all summer. 20 to 30 in.	1.20	10.00
* Golden Shower. This semi-dwarf golden yellow perennial is always in bloom. Flowers two inches. 18 inches tall.	1.80	15.00
Mayfield Giant. An improved, large single, of brilliant yellow.	1.20	10.00

DELPHINIUM, Larkspur.

Belladonna, Clivedon Beauty. Beautiful sky-blue, from carefully selected strain to keep it absolutely true to type. Blooms in June and again in September. 4 to 5 ft.	1.20	10.00
Bellamosa. Dark blue blooms all summer. 4 ft. Strong 1 year plants.	1.20	10.00

PERENNIALS—Continued

DELPHINIUM, Larkspur—Continued.

		Per 10	Per 100
Bellamosa LaMartine. Deeper blue than Bellamosa with a distinct white eye.			
Not susceptible to disease. Long blooming period. 4 to 5 ft.	\$ 1.20	\$10.00	
Blackmore & Langdon Hybrids. 4 to 5 ft. Semi-double and double blooms in shades of blue, lavender and purple.	1.40	12.00	
Gold Medal Hybrid. Tall, well filled double and semi-double flowers from purplish blue to white.	1.40	12.00	
* Pacific Hybrids Mixed. This elegant strain of Delphinium is almost beyond description. Flower spikes 3 to 5 feet long closely packed with individual flowers from 2 to 3 inches across, many are double, semi-double, some single.	2.10	18.00	
Wrexham Giant Hollyhock Strain Mixed. This English strain is one of the finest developed in the Delphinium family. Enormous flowers on solid erect spikes. Color delicate shades of blue, mauve and pink.	1.40	12.00	

DIANTHUS

Barbatus, Old Fashioned Sweet Williams.

This is the Old Fashioned Sweet William, bearing flowers in great profusion in May and June. Excellent for cutting. We offer these in the following varieties.	1.20	10.00
* Dwarf Midget. Uniform habit. The color range is from white, chamois, salmon, scarlet, brickred to maroon, with most blooms tri-colored. 6 inches.	1.40	12.00
Holborn Glory. Striking combination of crimson with white eyes. 18 inches.	1.20	10.00
* Homeland. A most unusual color, dark red with large shapely defined clear white center. 12 inches.	1.40	12.00
Nigricans. Very dark crimson flowers, bronzy foliage.	1.20	10.00
Purple Beauty. Bright deep purple.	1.20	10.00
Scarlet Beauty. 18 inches.	1.20	10.00
White Beauty. 18 inches.	1.20	10.00

DIANTHUS GRENADIN CAROPHYLLUS

	Per 10	Per 100
This is the hardest of all outdoor carnations. Very fragrant, fully double producing large flowers on long stems. The finest of all varieties.		
Golden Sun. Early flowering, very double, large clear yellow flowers.	\$ 1.40	\$12.00
Rose Queen Triumph—Deep Delicate Pink.	1.40	12.00
King of Blacks—Deep Maroon. Almost Black.	1.40	12.00
Scarlet—Rich Scarlet. Extra Large Flowering.	1.40	12.00

DIANTHUS PLUMARIUS HARDY GARDEN PINKS

Allwoodii. This is a new type of Allwoodii pink imported from England. Very fragrant.	1.40	12.00
Semperflorens (Perpetual Flowering). Separate colors, rose or pink. Blooms all summer. 18 in.	1.20	10.00
Sequeri. Notched blossoms pink to carmine usually marked maroon and white. In bloom until mid-autumn.	1.80	15.00

DIANTHUS SPECIES

Arenarius. Rumpled foliage densities of silver green velvet. Fringed creamy flowers, richly fragrant.	1.40	12.00
Latifolius Atrococcineus, Fl. Pl. Everblooming Oriental Sweet William. Fiery crimson. Blooms all summer. 18 in.	1.40	12.00

DICENTRA, Bleeding Heart.

Eximia (RG). This is not a particularly new item but it is very worth while and few nurserymen know it. We recommend it very highly, equal to or better than the old fashioned Spectabilis variety. Rose colored flowers produced all summer. 12 in.	2.50	22.00
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DIGITALIS, Fox Glove.

	Per 10	Per 100
Most attractive for the border or woodland garden. Biennial. Blooms during June and July. 2 ft. Rose.	\$ 1.40	\$12.00
Shirley Hybrids. The flower heads are over 3 ft. long, crowded with big, bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractive dotted crimson or chocolate.	1.40	12.00

EUPHORBIA.

Myrsinifolia. Beautiful trailing plant for Rock Gardens or Wall Gardens. Silvery-gray leaves with yellow flowers. Likes shade. 3 to 4 inches.	1.80	15.00
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PERENNIALS—Continued

		Per 10	Per 100
FERNS, Hardy Outdoor (RG).		\$ 1.40	\$12.00
Goldie's Wood. (Aspidium). Evergreen variety. 2 ft.			
Interrupted (Osmunda Claytoniana). Found in rather dry, shaded places. Does well under cultivation and in boxes. 3 ft.			
Maiden Hair (Spleenwort Asplenium Tricomanis). Most attractive of our Native Ferns. Black stems with delicate green fronds. Likes moist spots. 2 ft.			
Ostrich Plume (Onoclea Struthiopteris). Very graceful with finely cut pin-nules. 2 to 3 ft.			
FUNKIA, Plaintain Lily (RG)			
Caerulea. Lovely blue flowers, leaves broad. August-September. 18 inch.	1.70	14.00	
Variegated. Blue flowers with variegated foliage. Excellent for edging. Early. 2 ft.	1.70	14.00	
GAILLARDIA, Blanket Flower (RG).			
Burgundy. Wine red flowers with beautiful sheen. June until frost. 1½ to 2 ft.	1.40	12.00	
Monarch Strain. Varied colors. Robust strain. Flowers extremely large and of perfect form. All summer. 2 ft.	1.40	12.00	
GENTIANA PHLOGIFOLIA. Usually grown in Rock Garden or Border. Profuse blossoms of medium size in deep, rich blue.	1.80	15.00	
GYPSOPHILA, Baby's Breath.			
* Bristol Fairy. Wonderful, new double white flowers, in which the individual blossom is much larger. Highly prized for cutting. Flowers continuously through the summer. 2 ft. (2-in. Pots).	4.00	35.00	
Oldhamiana. A variety somewhat similar to Paniculata but it has a much longer season, flowering until late in Autumn. Flowers white, delicately tinted pink.	1.40	12.00	
Paniculata Compacta. Pinkish white. July. 2 ft.	1.20	10.00	
Pacifica. A flesh pink variety of strong growth, blooming after Paniculata.	1.40	12.00	
Repens Rosea. An elegant hardy trailing plant for the Rockery with clouds of small, pale rose blooms. July and August.	1.40	12.00	
* Rosy Veil. Produces quantities of blossoms of soft delightful pink. Spreading plant about 1½ ft. in height, flowering very freely in July and more or less throughout the summer. Excellent for cutting. (2-in. Pots).	3.00	25.00	
Snow White Double. Pure white double strain.	1.40	12.00	
HELENIUM.			
Riverton Gem. Old gold suffused with bright terra cotta, changing to wall-flower red. Grows to a height of 3 to 4 feet, and blooms from Aug. to October.	1.80	15.00	
* Moerheimi Beauty. Large, bronze-red flowers shading to orange at tips. If cut back, will bloom the second time. July and August, 2½ ft.	2.10	18.00	
HEMEROCALLIS, The Improved Day Lily			
This old Perennial is now coming into its "Own". There has been considerable hybridizing done on these plants the past few years and as a result there are many new varieties being offered.		Per 10	Per 100
August Pioneer. An absolutely new introduction by Dr. Stout. Orange with a reddish flush. Profuse August-September bloomer. 34 in.	\$ 2.10	\$18.00	
Hyperion. One of the very finest. Flowers are citron-yellow and exceptionally large. July and August. 3 to 4 feet.	4.00	35.00	
Mikado. Rich orange with deep mahogany-red throat, beautiful color contrast flowers. June and July. 36 inches.	2.40	20.00	
Ophir. Deep, golden-yellow. 5 inches across. 25-30 on one stem. One of the finest of all varieties. Blooms July and August.	2.10	18.00	
HIBISCUS, Mallow.			
Giant Flowering. A wonderfully improved form of native Marshmallow or Rose Mallow. Separate colors, Pink, Red and White. August and September. 4 to 5 ft.	1.40	12.00	
HYDRANGEA.			
Blue Prince. Large blue flowers. Blooms July and August. Only semi-hardy, needs winter protection. In order to get the blue color, one must mix in the soil about 1 Tablespoon per plant of aluminum sulphate.			
2 year dormant stock, for Spring only.	6.00	50.00	
Well furnished Pot Plants for Spring only.	2.40	20.00	

PERENNIALS—Continued

IBERIS

Sempervirens. Very dwarf, covered with a sheet of white. Perfectly hardy.
Height 6 to 8 inches. Per 10 \$ 1.80 Per 100 \$ 15.00

IRIS

Dichotomah (August or Vesper Iris). Fragrant flowers on tall branching sprays. From July to September. Cream to violet-purple markings of various colors. 1.20 10.00

LATHYRUS LATIFOLIUS, Perennial or Everlasting Pea.

This lovely trailing plant blooms all summer. In separate colors. Crimson King, Rose Queen, White Queen. 1.20 10.00

LILY OF THE VALLEY

Extra strong plants with long roots. Fine foliage and profuse bloomers.
Clumps, dug with original soil. 2.90 25.00
Pips .40 3.50

LINUM, Hardy Flax.

Perenne Blue. An attractive, bushy plant with pretty pale blue flowers during June and July. 1.20 10.00

LUPINES

* **Russell Lupines.** This is an improved strain of Russell Lupines acclimated to the United States. Spikes 3 to 4 feet tall with extra ordinary color combinations. 1.40 12.00

LYCHNIS, Champion (RG)

Chalcedonica (Maltese Cross), vivid scarlet flowers. 36 inches. 1.40 12.00

LYTHRUM

* **Rosalie.** The lovely flowers are a captivating art shade of rose pink. The graceful flowers are closely set on 2 feet spikes, flowering down to the ground. Interesting foliage, blooms from July till frost. 2 ft. (2-in. Pots). 2.40 20.00

* **The Beacon.** A very showy variety, has neat long-lasting spikes of large clear, deep-carmine flowers, followed with side spikes almost to the ground. Interesting foliage, blooms from July till frost. 2 ft. (2-in. Pots). 2.40 20.00

MONARDA, Avalon Hybrids.

45 inches. Color variations are amazing, silvery white blush to deep pinks, rose, mauve, violet, crimson. Well filled heads give effect of full double-ness. 1.40 12.00

MYOSOTIS, Forget-me-not (RG)

Lovely flowers, familiar to almost everyone. Blooms in early spring.

* **Pink Beauty.** Clusters of large, deep pink, Forget-Me-Not flowers. Good cut flowers. June to Sept. 8 to 10 inches. (2-in. Pots). 2.10 18.00

NEPETA, Ground Ivy, Catmint (RG).

Excellent for massing in the garden. Silvery Gray foliage, Fragrant.

Mussini. Everblooming, lavender blue, small leaved. 18 inch. 1.20 10.00

OENOTHERA, Evening Primrose (RG)

Make continuous display of color in rock garden.

Missouriensis. Lovely yellow solitary flowers often 4 in. across. Low grower, with prostrate ascending branches, profuse bloomer. June to August. 10 in. 1.40 12.00

PACHYSANDRA, Japanese Spurge (RG)

Terminalis. Dense mats of glossy green foliage, with small spikes of light colored flowers during May and June. Used to cover shady places. 6 to 8 inches. Well finished (3-inch pot plants). 1.80 15.00

PENTSTEMON, HARDY.

Cherry Glow. This companion to the lovely Garnet is also known as Firebird. Stems are 18 to 24 inches tall, vividly colored, ruby-crimson. (2-in. Pots). 1.80 15.00

* **Garnet.** First of a new strain of hardy, large flowering Pentstemons. Of spreading habit. June until stopped by frost. Rich garnet color. 12 to 18 inches tall. Six to a dozen spikes continually open throughout flowering season. Excellent for cutting. (Retails, per 3, \$1.50; Per doz., \$4.50; per 100, \$30.00) (2-in. Pots), 1.80 15.00

PERENNIALS—Continued

PHLOX PANICULATA

For a good many years we have made a specialty of growing Phlox. These Phlox that we are offering are strong one year field grown plants. Shipment can be made any time after the 10-15th of October.

		Per 10	Per 100
Annie Laurie. Rich, deep salmon. Large trusses. Grows to a height of about three foot.		\$ 1.80	\$15.00
* Antoinette Six. This pure white Phlox has unusually large heads, ideal for a huge mass effect. A beautiful new variety		2.10	18.00
Apollo Red. Deep rose-red, shaded crimson. Tall.		1.80	15.00
Apollo White. Splendid white with large individual flowers.		1.80	15.00
Apple Blossom. One of the loveliest of all the pastel shades. Soft apple-blossom pink. 2-2½ inch florets. 2½-3 feet tall.		1.80	15.00
Border Gem. A beautiful deep purple Phlox. Does not fade.		1.70	14.00
Brilliant. Large trusses of fiery scarlet with darker eye. 30 inches.		1.40	12.00
Caroline Vandenberg. The most attractive lavender shade, a fascinating shade of lilac blue. Enormous flowers. Medium height.		1.80	15.00
Champs Elysee. Compact heads of rich purple. Very desirable. 24 inches.		1.40	12.00
* Charles Curtis—Sunset Red. It is a fine strong grower about 2½ to 3 feet tall.		1.80	15.00
Daily Sketch. Large trusses of lustrous pink with crimson-rose eye. Very large, single florets measure 1½ inches across. 3½ feet.		1.80	15.00
Dr. Klemm. Large trusses of white with diffused violet eye.		1.40	12.00
E. J. Farrington. Salmon-pink with a deep rosy-red blush. Excellent for cutting. 24 inches.		1.70	14.00
Enchantress. Bright salmon-pink with a dark eye.		1.80	15.00
Eva Forester (Also known as Salmon Beauty). Giant bright salmon-rose flowers with light center. 10 inches tall.		1.80	15.00
* Fairy King. The loveliest lavender. Rounded, large and shapely flower heads. Dark green foliage. 2 feet tall.		2.10	18.00
F. G. Von Lassburg. A tall white phlox, blooming in mid-season.		1.40	12.00
Gen. Petain. Deep wine red with large, beautifully shaped flowers.		1.70	14.00
Gen. Von Heutz. Enormous large flowers of a brilliant salmon-red color with pure white center. 30 inches.		1.70	14.00
* Graf Zeppelin. Ivory white flowers with vermillion red eyes. Of average height. Free Flowering.		1.70	14.00
Hauptman Koehl. Glowing full toned red. Large compact trusses on strong stems. July to frost. 24 inches.		1.80	15.00
* Irene. One of the best easy growing cherry red Phlox. Medium height with bronzy green foliage.		2.10	18.00
Jules Sandeau. Rosy Pink. Practically free from Red Spider.		1.40	12.00
* July Lights. Flowers early, grows to a medium height. Each floret is shaded with a soft red with a blood red eye.		1.80	15.00
* Leo Schalegeter. Brilliant scarlet, a decided orange cast to the blooms. 3 feet high.		1.80	15.00
Mary Louise. Pure, snow white heads, individual florets are 2 inches. Very fragrant, prolific bloomer.		1.70	14.00
Mrs. Ethel Pritchard. Self shade of rose-mauve, large flowers.		1.40	12.00
Mrs. Jenkins. Pure white, late flowering. Free from any disease.		1.20	10.00
New Bird. Amaranth-red of great brilliancy.		1.40	12.00
* Painted Lady. An appealing peach color with a pink blush, cameo like. Medium sized heads. Height about 2½ feet.		1.80	15.00
Pantheon. A deep salmon-rose, very fragrant. 30 in.		1.40	12.00
P. D. Williams. Brilliant pink with rose center. Extra large florets. 2½ feet.		1.80	15.00
Prime Minister. Extra large florets of clear white with violet eye. The best of the bi-colored whites.		1.70	14.00
* Progress. Superb light blue, set off with deeper purple blue eyes. Extremely large flower heads with 1½ to 2 inch florets. Rich, dark green foliage. 2½ feet.		2.10	18.00
* Purple Heart. The individual flowers are large and are carried in good size trusses. The color is a brilliant live shade of deep blue purple intensified by a darker center given sparkle by the dainty cream colored anthers.		2.40	20.00

PERENNIALS—Continued

PHLOX PANICULATA—Continued

		Per 10	Per 100
Rheinlander.	A beautiful salmon-pink with carmine eye. Large flower heads and a good strong stem.	\$ 1.40	\$12.00
Rosenberg.	Deep violet-cerise with slightly darker center and contrasting anthers.	1.40	12.00
* Ruby Lee.	Extra large plum-red flowers. Medium height.	2.40	20.00
* Silverton.	Florets, the size of a silver dollar are clear pale lavender with a glowing purple eye July and August. 18 to 24 inches.	1.70	14.00
Special French.	Large, blush pink with salmon eye.	1.40	12.00
Starlight.	Rich violet, with an almost perfectly shaped white star in the center.	1.80	15.00
Wm. Kesselring.	Deep plum-purple, shading to dainty lilac eye.	1.40	12.00

PHYSALIS, Chinese Lantern Plant. (RG).

Francheti.	Bright orange-scarlet lantern-like fruits, excellent for winter bouquets. Early fall. 2 ft.	1.40	12.00
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PHYSOSTEGIA, False Dragon Head.

Rosy Spire.	Deep rosy-crimson color, very vivid. 3 to 3½ ft. Mid-September. Decidedly colorful.	1.40	12.00
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PLATYCODON, Balloon Flower (RG)

Blooms all summer. 12 in.	Separate colors, blue and white.	1.40	12.00
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* PLUMBAGO.

Larpentae.	One of the most desirable border and rock plants. It is of dwarf spreading habit, growing 6 to 8 inches high, covered with deep blue flowers during late summer and fall.	1.80	15.00
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* POLYGONUM REYNOUTRIA

Light green foliage, turns brilliant in fall.	One of the finest ground covers. Thrives best in full sunlight; hovers 4 to 12 inches from soil. Blooms in fall; fragrant, airy pink sprays similar to Silver Lace Vine. Deep red buds, foliage brilliant red in fall. (2-in. Pots).	3.00	25.00
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PYRETHRUM, Painted Daisy (RG)

Extra select double mixed.	An attractive mixture.	1.70	14.00
Hybridum Roseum.	Abundant bloomer. Wide range of colors pure white to deep crimson. June to October. Good cut flower. Interesting foliage. 18 inch.	1.70	14.00

RUDBECKIA, Coneflower.

Hardy plants, adapted for the border.	Well suited for cutting.		
Purpurea.	Reddish purple flowers with very large black cone for center. July to October. 2 ft.	1.20	10.00

SALVIA, Meadow Sage

Jurisici.	Low Rock Garden species, feathery emerald foliage, spikes of pretty violet flowers. Very long blooming season.	1.40	12.00
Pratensis Rosea.	Grows to a height of 2½ ft., producing pale, rose-colored flowers.	1.40	12.00

SEDUM, Stone Crop or Live Forever (RG)

America's Greatest Rock Plant.	Thick glaucous leaves, very hardy, drought resisting. Very adaptable, dwarf varieties indispensable in rock gardens, the medium and taller varieties good in perennial borders.		
Album.	Dwarf and spreading, thick waxy round foliage. White flowers. July. 6 inches.	1.20	10.00
Aureum.	Much used for covering graves. Foliage green, flowers bright yellow. Prostrate and slow spreading.	1.20	10.00
Lydium Glaucum.	Blush, very fine rock plant. Very odd. All summer. 6 in.	1.20	10.00
Murale.	Evergreen foliage reddish purple, white flowers with pink center, 4-8 inches.	1.20	10.00
Maximum Atropurpureum.	Of upright open growth, 18 inches. Foliage rich mahogany brown, flowers in sprays of lighter color.	1.70	14.00
Oppositifolium.	Bright green foliage with rose bloom. July. 4 in.	1.40	12.00
Sexangulare.	Yellow flowers, very dark green foliage. May-June. 4 inches.	1.20	10.00
Spectabile Brilliant.	Bright amaranth-red. Erect grower. Gray-green leaves. August and September. 18 inches.	1.70	14.00
Spectabile Rose.	Immense heads of showy rose colored flowers. Light green foliage. Late. 18 inches.	1.70	14.00
Spurium Roseum.	Purplish-red. July and August. 6 inches.	1.20	10.00
Stoloniferum.	Purplish pink. July and August. 6 inches.	1.20	10.00

PERENNIALS—Continued

SEMPERVIVUM. Houseleek. (RG)	Per 10	Per 100
Sometimes known as Hen and Chickens. Plants especially good for Rock Garden. Their rosette-like, thick leaves are fleshy and pointed. The small clumps slowly spread, filling pockets and crevices between the rocks.		
Atroviolaceum. The largest of the entire group. Beautiful rosette of deep purplish red leaves almost 4 inches in diameter when fully grown. 8 in. \$ 1.40.	\$ 12.00	
Bossier. Leaves are deep green tipped reddish-purple, forming a beautiful rosette, 6 inches to 8 inches in diameter when fully grown. 4 inches. 1.40	12.00	
Rubrum. Leaves of dark green turning to red in fall. Rapid spreader. 1.40	12.00	
STATICE, Great Sea Lavender (RG) August		
Latifolia. Blue. These plants have broad leathery leaves, producing candelabra-like heads. If cut in full bloom, make very valuable winter bouquets. 18 in.	1.80	15.00
STOKESIA, Cornflower Aster.		
Blue Moon. Large and free flowering. Perfectly hardy. Vivid, blue disc-like flowers. Blooms throughout summer and autumn. Flowers five to six inches in diameter. 12 to 18 in. tall.	2.10	18.00
SWEET WILLIAM (See Dianthus Barbatus)		
THYMUS, Thyme (RG)		
Serpillum Coccineum. Dark red flowers, covering the plant completely. Creeping habit, hairy foliage, which is fragrant. June-July.	1.40	12.00
TRADESCANTIA.		
Delight. Long blooming, soundly hardy perennials of much beauty. Colors include blush pink, rosy pink, mauve, white, palest azure suffusions, sky blue, indigo, violet, purple, and ruby. Heights run from 6 to 30 inches.	1.40	12.00
* Purple Dome. Vividly brilliant purple flowers which sparkle with life in sunlight. Fine grower, and it flowers freely. Considered the most spectacular one of the entire collection.	2.10	18.00
TRITOMA, Kniphofia, Red Hot Poker (RG)		
This perennial needs winter protection in Northern latitudes. Blooms from July to October. Color ranges from Orange to deep coral. This is an outstanding perennial.		
Pfitzeriana. This is the genuine Red Hot Poker. Rich, orange-scarlet blooms on stems 3 feet high. Must be grown from divisions. August to October.	1.40	12.00
VERONICA, Speedwell (RG).		
Spicata. Violet-blue flowers, borne in masses. July and August. 18 in.	1.40	12.00
VIOLA, ODORATA, Sweet Violet (RG)		
Fry's Fragrant. An old English strain of perpetual flowering violets. Blooms early in the spring and again in the fall. Flowers extra large, deep purple and very fragrant, excellent for forcing.	1.40	12.00
* Royal Robe. This glorious variety is a lustrous shade of deepest violet-blue. The blossoms are delicately fragrant and open out flat like a pansy or Viola. A few plants of this violet in the garden will serve to furnish quantities of bloom either during early winter or early spring.	2.50	20.00

SPRING BULBS

CANNAS

	Per 100	Per 1000
Our Cannas are all strong 3 and 5 eye divisions, properly matured and cured so as to give you the best possible results.	\$ 6.50	\$55.00

PINK FLOWERS WITH GREEN FOLIAGE

* **City of Portland.** The leading pink, green foliage. 4 feet tall. Large flowers of watermelon-pink conceded THE pink.

Hungaria. One of the finest pinks, green foliage. 4 ft. tall. Large heads of peach pink. Our choice of Pink Cannas.

RED FLOWERS WITH GREEN FOLIAGE

The President. 4 ft. tall. Glowing scarlet, blue-green foliage. Extra large trusses of brilliant color. The finest Red Canna of today. The foliage is entirely free from disease.

Wintzer's Colossal. 5 ft. Green foliage. Without a doubt the largest flowered Canna yet produced. Flowers of vivid scarlet. Sometimes measures eight inches across.

YELLOW FLOWERS WITH GREEN FOLIAGE

* **Apricot.** 3½ ft. tall. Green foliage with lovely heads of apricot. Without a doubt one of the grandest Cannas.

Richard Wallace. 4 ft. Green foliage, canary-yellow flowers. One of the best yellows.

Yellow King Humbert. 5 ft. tall. Deep rich yellow, heavily spotted and flecked with deep red. Green foliage.

BRONZE FOLIAGE VARIETIES

Red King Humbert. 5 ft. tall. The grandest Canna ever offered, a king in reality. The heart-shaped leaves are purple-madder over bronze. The plants are crowned with immense heads of orchid-like velvety orange-scarlet, rose-tinted and blossoms incomparably beautiful.

Statue of Liberty. 6 to 7 ft. Blazing flame-red.

Wyoming. 5 ft. Purple foliage. True-orchid flowering variety with magnificent orange colored flowers.

* Varieties Priced \$7.50 per 100; \$65.00 per 1000.

DAHLIAS

Our Dahlias are all Shenandoah Grown, good, strong, healthy tubers with good necks and crowns. Our stock is carefully handled and guaranteed true to name.

	Per 10	Per 100
DECORATIVES		
Avalon. Beautiful clear yellow and the best of this color for commercial use. Fine form on long stems. Good show Dahlia.	\$ 1.80	\$15.00
Gallant Fox. A commercial red highly regarded by many growers. Medium size flowers of velvety red. Heavy stem, good keeper.	1.80	15.00
Golden Bounty. Rich lemon yellow.	1.80	15.00
Glory. Strong grower, fine stems, holds up well after they are cut. Rosy lavender pink, a real beauty.	2.10	18.00
Harvest Moon. Blends gold rose and bronze.	1.80	15.00
Lida. Large yellow. Must be seen to be appreciated.	1.80	15.00
Mrs. George LeBoutillier. Rich velvety carmine. Giant flowers on strong stems. A good bet for a leader among commercial reds.	2.10	18.00
Mrs. I. DeVer Warner. A charming deep mauve pink or orchid color.	1.80	15.00
Nathan Hale. Formal Decorative: A favorite cut flower of deep orange-bronze. Late bloomer, and needs early planting.	2.10	18.00
The Commodore. Informal Decorative: Very large bright yellow. Prolific, easily grown to 12 inches or more. Strong plants. Not a tall grower. 4 to 5 feet.	2.10	18.00

SPRING BULBS—Continued

DAHLIAS—Continued

	Per 10	Per 100
Watchung Giant. Informal Decorative: Orange. A strong sturdy variety. The Dahlia with the largest bloom. 5 to 6 feet.	\$2.50	\$20.00
Yellow Colossal. A gigantic flower, nine inches in diameter of beautiful lemon yellow. Strong stems carry the flower erect above the foliage. A remarkable show bloom.	1.80	15.00
Yellow Duke. A splendid primrose yellow of good form.	1.80	15.00
Decorative Mixed.	1.40	12.00

DAHLIAS. POM POM

Fairy. Small, violet-rose, perfectly placed on fine long stems. Very popular with Florists.	1.80	15.00
Jessica. Amber, tipped red.	1.80	15.00
Morning Mist. Profuse bloomer. 1½ to 2 inches across. White with rosy lavender center and petals slightly outlined with lavender. Stiff wiry stems ranging up to 15 inches.	1.80	15.00
Pink Rose. Strawberry Pink. Flowers 4½ to 5 inches. 4 feet.	1.80	15.00

DAHLIAS. Show

A. D. Livoni. A clear deep shell pink on a splendid stem.	1.80	15.00
Bonnie Blue. Bluish, shading to lavender. Lovely coloring.	1.80	15.00
Floral Park Jewell. Red, tipped white. A good blooming, ball dahlia.	1.80	15.00
M. D. Hallock. Bright yellow, tipped bronze.	1.80	15.00
Porthos. Formal Decorative. A thick bright red, 6 inch bloom with a tight center, making it appear as a ball dahlia. Clumps have twice as many tubers as most dahlias.	1.80	15.00
Purple Show. Deep purple.	1.80	15.00
Queen Victoria. Deep cream or soft yellow.	1.80	15.00
Robert Broomfield. Pure white. Effective in combinations.	1.80	15.00

OLD FASHIONED KITCHEN HERBS

Due to the shortage of shipping facilities, Spices and Herbs which formerly came from the Middle East, are now hard to secure. For that reason, we are offering a rather complete list of these items.

	Per 10	Per 100
Applemint (Mentha rotundifolia). The leaves are used to flavor drinks.	\$1.20	\$10.00
Chive, Wild Onion. Finely chopped leaves gives a delicious flavor to salads.	1.20	10.00
Common Thyme (Thymus Vulgaris). Dried leaves season meat dishes, gravies and dressings. Fresh leaves excellent in salad.	1.40	12.00
Horehound. A good tonic. The tea, sweetened with honey, is useful in treatment of coughs and colds. Used also in the well known horehound candy.	1.20	10.00
Horseradish. A condiment used in seasoning meats.	.40	3.00
3 inch cuttings	.80	7.00
Crowns		
Mother of Thyme (Thymus). Leaves used medicinally and for seasoning meat and fish sauces and stuffings.	1.20	10.00
Peppermint True (Mentha piperita). Leaves and tender tops may be infused in cooling drinks.	1.20	10.00
Sage, Old Fashioned. Used for seasoning sausages and dressing.	1.20	10.00
Spearmint (Mentha spicata). Fresh leaves used to flavor sauces and iced drinks, particularly juleps.	1.20	10.00
Spearmint, Anise-Flavored (Mentha spicata anisatus). Small green leaves with delightful anise and mint flavor for iced drinks.	1.20	10.00
Spearmint, crisp (Mentha Crispata). A dwarf mint with small pungent leaves.	1.20	10.00
Spearmint, Variegated Lemon Scented. Leaves golden variegated, very decorative, slightly lemon scented flavoring for iced drinks.	1.20	10.00

LILIES

The following lilies are all American grown, most of them are grown here at Shenandoah. Our soil seems very well adapted for the growing of this certain type of bulb. Size specified on the grade is circumference of the bulb.

Per 10 Per 100

Regale. (Tibet). Large white flowers, suffused pink with canary-yellow throat.

Very fragrant blooms in July. Planting depth 5 inches.

4 to 5 inches	\$ 1.10	\$ 9.00
5 to 6 inches	1.40	12.00
6 to 8 inches	1.80	15.00

Tenuifolium (Coral Lily). Vivid scarlet, excellent rock garden variety. Blooms May-June. Planting depth 6 inches. Available late September.

Flowering size bulbs. No. 1	1.40	12.00
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Tiger Double. This is a full double flowering variety. Blooms slightly later than single. Planting depth is 5 inches.

4 to 5 inches	1.00	8.00
5 to 6 inches	1.20	10.00
6 to 8 inches	1.50	12.00

MISCELLANEOUS BULBS

Per 10 Per 100

CALADIUM

Esculentum. 5 to 7 inches	\$ 1.00	\$ 8.00
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CALLA LILY

Elliottiana. Yellow. 1 3/4 to 2 inches	1.80	15.00
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MADERIA VINE

A tuberous bulb producing a multitude of viny growth, a very prolific grower.	.60	5.00
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TUBEROSES (RG)

Mexican. This is the best of all Tuberoses. Single flowering variety, very fragrant. Blooms July-August. No. 1 size	.75	6.00
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NURSERYMEN'S SUPPLIES

Due to uncertainty of prices and securing delivery, we are unable to offer our usual listings of nurserymen's supplies. If in need of certain supplies, write for prices and complete information.

BOXING CHARGES

30x30x12	\$7.00	24x24x10	\$5.25	20x20x8	\$4.00
30x30x10	6.00	24x24x8	4.75	20x20x6	3.00
30x30x8	5.25	24x24x6	4.00	16x16x10	3.50
30x30x6	4.50	20x20x12	5.00	16x16x8	3.00
24x24x12	6.25	20x20x10	4.25	16x16x6	2.75

CORRUGATED BOXES

No. 42—72x22x22	\$1.50	No. 31—36x15x15	\$.60	No. 9—15x10x6	\$.25
No. 6—48x20x20	1.00	No. 16—30x8x8	.25	No. 36—12x8x6	.20
No. 10—48x16x16	.85	No. 28—17x12x6	.30		

BALES will be charged at actual cost.



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